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OM protein - protein search, using sw model

Run on: June 5, 2003, 14:11:37 ; Search time 18 Seconds
(without alignments)
1070.667 Million cell updates/sec

Title: US-10-041-574-2
Perfect score: 3456
Sequence: 1 MGTSPSSSTALASCSRIARR.....SQEASQVLLDSVYSHLPDLL 655

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues
Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0
Maximum DB seq length: 2000000000
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA: *
1: /cgn2_6/ptodata/1/1aa/5A_COMB.pep: *
2: /cgn2_6/ptodata/1/1aa/5B_COMB.pep: *
3: /cgn2_6/ptodata/1/1aa/6A_COMB.pep: *
4: /cgn2_6/ptodata/1/1aa/6B_COMB.pep: *
5: /cgn2_6/ptodata/1/1aa/PCTUS_COMB.pep: *
6: /cgn2_6/ptodata/1/1aa/backfiles1.pep: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	3456	100.0	655	4	US-09-527-236A-2
2	3450	99.8	655	3	US-08-959-382-2
3	2892	83.7	605	4	US-09-042-785A-23
4	2723	78.8	573	4	US-09-042-785A-2
5	1359	39.3	253	4	US-09-042-785A-4
6	841	24.3	147	4	US-09-527-236A-19
7	673	19.5	125	3	US-08-959-382-4
8	431	12.5	84	4	US-09-042-785A-30
9	431	12.5	84	4	US-09-042-785A-31
10	352	10.2	67	4	US-09-527-236A-21
11	343.5	9.9	461	1	US-08-385-229-2
12	343.5	9.9	461	2	US-08-650-000-2
13	343.5	9.9	461	1	US-09-042-785A-7
14	343.5	9.9	461	4	US-08-477-347-3
15	343.5	9.9	461	4	US-09-006-353A-4
16	343.5	9.9	461	4	US-08-476-862-2
17	343.5	9.9	461	4	US-09-573-986-4
18	343.5	9.9	461	6	5395760-2
19	312.5	9.0	518	1	US-08-385-229-4
20	306.5	8.9	235	4	US-09-326-394-4
21	306.5	8.9	235	4	US-09-580-235-2
22	306.5	8.9	235	4	US-09-580-235-8
23	306.5	8.9	235	4	US-09-580-181-2
24	306.5	8.9	235	4	US-09-580-181-8
25	306.5	8.9	235	4	US-09-102-530-2
26	306.5	8.9	235	4	US-09-102-530-8
27	305.5	8.8	235	4	US-09-580-235-4

28	305.5	8.8	235	4	US-09-580-235-6	Sequence 6, Appli
29	305.5	8.8	235	4	US-09-580-181-4	Sequence 4, Appli
30	305.5	8.8	235	4	US-09-580-181-6	Sequence 6, Appli
31	305.5	8.8	235	4	US-09-102-530-4	Sequence 4, Appli
32	305.5	8.8	235	4	US-09-102-530-6	Sequence 6, Appli
33	304.5	8.8	401	3	US-08-974-022-2	Sequence 2, Appli
34	304.5	8.8	401	4	US-08-795-445A-2	Sequence 2, Appli
35	304.5	8.8	401	4	US-08-795-447A-2	Sequence 2, Appli
36	304.5	8.8	401	4	US-08-974-186-2	Sequence 2, Appli
37	304.5	8.8	401	4	US-08-795-446B-2	Sequence 12, App
38	304.5	8.8	401	4	US-08-706-945D-124	Sequence 1, Appli
39	304.5	8.8	486	1	US-08-243-010-1	Sequence 6, Appli
40	302.5	8.8	401	3	US-08-974-022-6	Sequence 12, Appli
41	302.5	8.8	401	4	US-09-042-785A-12	Sequence 6, Appli
42	302.5	8.8	401	4	US-08-795-445A-6	Sequence 6, Appli
43	302.5	8.8	401	4	US-08-795-447A-6	Sequence 6, Appli
44	302.5	8.8	401	4	US-08-974-186-6	Sequence 6, Appli
45	302.5	8.8	401	4	US-08-795-446B-6	Sequence 6, Appli

ALIGNMENTS

RESULT 1
US-09-527-236A-2
: Sequence 2, Application US/09527236A
: Patent No. 6358508
: GENERAL INFORMATION:
: APPLICANT: NI, Jian
: APPLICANT: Yu, Guo-Liang
: APPLICANT: Fan, Ping
: APPLICANT: Gentz, Reiner L.
: TITLE OF INVENTION: Human Tumor Necrosis Factor Receptor TR9
: FILE REFERENCE: PF375PI
: CURRENT APPLICATION NUMBER: US/09527,236A
: PRIOR FILING DATE: 2000-03-16
: PRIOR APPLICATION NUMBER: 60/052,991
: PRIOR FILING DATE: 1997-06-11
: PRIOR APPLICATION NUMBER: 09/095,094
: PRIOR FILING DATE: 1998-06-10
: PRIOR APPLICATION NUMBER: 60/126,019
: PRIOR FILING DATE: 1999-03-24
: PRIOR APPLICATION NUMBER: 60/134,220
: PRIOR FILING DATE: 1999-05-14
: NUMBER OF SEQ ID NOS: 27
: SOFTWARE: PatentIn Ver. 2.1
: SEQ ID NO 2
: LENGTH: 655
: TYPE: PRT
: ORGANISM: Homo sapiens
US-09-527-236A-2

Query Match	100.0%	Score	3456	DB	4	Length	655
Best Local Similarity	100.0%	Pred. No.	1.8e-298				
Matches	655	Conservative	0	Mismatches	0	Indels	0
Gaps	0						
QY	1	MGTSPSSSTALASCSRIARRATMTAGSLLILGLFSLTTTAQPEKASNLIGTYRHVDRA	60				
Db	1	MGTSPSSSTALASCSRIARRATMTAGSLLILGLFSLTTTAQPEKASNLIGTYRHVDRA	60				
QY	61	TGQVLTCDKCPAGTYVSEHCTNTSLRVCSGPCVGTTRHENGIEKHCDCSQCPWPWIEK	120				
Db	61	TGQVLTCDKCPAGTYVSEHCTNTSLRVCSGPCVGTTRHENGIEKHCDCSQCPWPWIEK	120				
QY	121	LPCAALTDRECTPPGMFQSNATCAPHTVCPGWSYRKKGTETEDVRCKOCARGTSDVP	180				
Db	121	LPCAALTDRECTPPGMFQSNATCAPHTVCPGWSYRKKGTETEDVRCKOCARGTSDVP	180				
QY	181	SSVMKCKAYTDCLSQNLVWIKPCTKTDNVCGLPSPFSSSTSPSPGTAFPPRPEHMETHE	240				
Db	181	SSVMKCKAYTDCLSQNLVWIKPCTKTDNVCGLPSPFSSSTSPSPGTAFPPRPEHMETHE	240				
QY	241	VPSSSTYVPGKGMNTESSASVRPKVLSIQEGTVPDNTSSARGKEDVNKTLNQLQVNH	300				

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Db      241  VPSSTYVPKGMNSTESSASVRPKVLSSIQEGTVPDNTSSARGKEDVNTLPLNQVNH 300
Qy      301  QQGPHRHILKLLPSMEATGEEKSSTPIKPKRGHPQNLKHKHFDINEHLPWMLVFLLL 360
Db      301  QQGPHRHILKLLPSMEATGEEKSSTPIKPKRGHPQNLKHKHFDINEHLPWMLVFLLL 360
Qy      361  VLVIIVVCSIRKSRRLKKGPRDPSAIVEKAGLKKSMPTQNRKWIYICNGHGIDILK 420
Db      361  VLVIIVVCSIRKSRRLKKGPRDPSAIVEKAGLKKSMPTQNRKWIYICNGHGIDILK 420
Qy      421  LVAAQVGSQWKDIYQFLCNASEREVAAFNGYTAADHERAYAAALQHWITIRGPEASLAQLIS 480
Db      421  LVAAQVGSQWKDIYQFLCNASEREVAAFNGYTAADHERAYAAALQHWITIRGPEASLAQLIS 480
Qy      481  ALROHRRNDVVEKIRGLMEDTTOLETDKALPMSPLSPSPSPNAKLENSALLTVEP 540
Db      481  ALROHRRNDVVEKIRGLMEDTTOLETDKALPMSPLSPSPSPNAKLENSALLTVEP 540
Qy      541  SPQDNKNGFFVDESEPLLRCDSTSSGSSALSRLNGSFITKEKDTVLQVRLDPCDLQPIF 600
Db      541  SPQDNKNGFFVDESEPLLRCDSTSSGSSALSRLNGSFITKEKDTVLQVRLDPCDLQPIF 600
Qy      601  DDMLHFLNPEELRVIEEIPQAEKDLRLFEIIGVKSQEASQTLDSVYSHLPDLL 655
Db      601  DDMLHFLNPEELRVIEEIPQAEKDLRLFEIIGVKSQEASQTLDSVYSHLPDLL 655

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RESULT 2

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US-08-959-382-2
; Sequence 2, Application US/08959382
; Patent No. 6013476
; GENERAL INFORMATION:
; APPLICANT: DEEN, KEITH
; APPLICANT: HURLE, MARK
; APPLICANT: YOUNG, PETER
; APPLICANT: TAN, K.B.
; TITLE OF INVENTION: Tumor Necrosis Related Receptor,
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: RATNER & PRESTIA
; STREET: P.O. BOX 980
; CITY: VALLEY FORGE
; STATE: PA
; COUNTRY: USA
; ZIP: 19482
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; FILING DATE: 02-APR-1997
; FILING DATE: 28-OCT-1997
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/041,796
; FILING DATE: 02-APR-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: PRESTIA, PAUL F
; REGISTRATION NUMBER: 23,031
; REFERENCE/DOCKET NUMBER: GH-50017
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-407-0700
; TELEFAX: 610-407-0701
; TELEX: 846169
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 655 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear

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; MOLECULE TYPE: protein
; US-08-959-382-2
Query Match 99.88; Score 3450; DB 3; Length 655;
Best Local Similarity 99.88; Pred. No. 6.2e-298;
Matches 654; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      1  MGTSPSSSTALASCSRIARRATATMTAGSLLLAGLSTTTTAQPEQKASNLIGTYRHVDRA 60
Db      1  MGTSPSSSTALASCSRIARRATATMTAGSLLLAGLSTTTTAQPEQKASNLIGTYRHVDRA 60
Qy      61  TGQVLTCDCPKAGTYVSEHCTNTSLRVCSGPCVGTFRHENGIEKCHDCSQCPWPWMIK 120
Db      61  TGQVLTCDCPKAGTYVSEHCTNTSLRVCSGPCVGTFRHENGIEKCHDCSQCPWPWMIK 120
Qy      121  LPCAALTDRCTCPGPFQSNATCAPHTVCPVGWGVKKGKGTETEDVRCKQCARGTSDVP 180
Db      121  LPCAALTDRCTCPGPFQSNATCAPHTVCPVGWGVKKGKGTETEDVRCKQCARGTSDVP 180
Qy      181  SSVMKCKAYTDCLSQNLVVIKPGTKETDNVCGTLPFSFSSSTSPSCGTAFPPRHEMETHE 240
Db      181  SSVMKCKAYTDCLSQNLVVIKPGTKETDNVCGTLPFSFSSSTSPSCGTAFPPRHEMETHE 240
Qy      241  VPSSTYVPKGMNSTESSASVRPKVLSSIQEGTVPDNTSSARGKEDVNTLPLNQVNH 300
Db      241  VPSSTYVPKGMNSTESSASVRPKVLSSIQEGTVPDNTSSARGKEDVNTLPLNQVNH 300
Qy      301  QQGPHRHILKLLPSMEATGEEKSSTPIKPKRGHPQNLKHKHFDINEHLPWMLVFLLL 360
Db      301  QQGPHRHILKLLPSMEATGEEKSSTPIKPKRGHPQNLKHKHFDINEHLPWMLVFLLL 360
Qy      361  VLVIIVVCSIRKSRRLKKGPRDPSAIVEKAGLKKSMPTQNRKWIYICNGHGIDILK 420
Db      361  VLVIIVVCSIRKSRRLKKGPRDPSAIVEKAGLKKSMPTQNRKWIYICNGHGIDILK 420
Qy      421  LVAAQVGSQWKDIYQFLCNASEREVAAFNGYTAADHERAYAAALQHWITIRGPEASLAQLIS 480
Db      421  LVAAQVGSQWKDIYQFLCNASEREVAAFNGYTAADHERAYAAALQHWITIRGPEASLAQLIS 480
Qy      481  ALROHRRNDVVEKIRGLMEDTTOLETDKALPMSPLSPSPSPNAKLENSALLTVEP 540
Db      481  ALROHRRNDVVEKIRGLMEDTTOLETDKALPMSPLSPSPSPNAKLENSALLTVEP 540
Qy      541  SPQDNKNGFFVDESEPLLRCDSTSSGSSALSRLNGSFITKEKDTVLQVRLDPCDLQPIF 600
Db      541  SPQDNKNGFFVDESEPLLRCDSTSSGSSALSRLNGSFITKEKDTVLQVRLDPCDLQPIF 600
Qy      601  DDMLHFLNPEELRVIEEIPQAEKDLRLFEIIGVKSQEASQTLDSVYSHLPDLL 655
Db      601  DDMLHFLNPEELRVIEEIPQAEKDLRLFEIIGVKSQEASQTLDSVYSHLPDLL 655

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RESULT 3

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US-09-042-785A-23
; Sequence 23, Application US/09042785A
; Patent No. 6194151
; GENERAL INFORMATION:
; APPLICANT: Busfield, Samantha J
; TITLE OF INVENTION: NOVEL MOLECULES OF THE TNF RECEPTOR SUPERFAMILY
; TITLE OF INVENTION: AND USES THEREFOR
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD, LLP
; STREET: 28 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25

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;; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/042,785A
; FILING DATE: 17-MAR-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/938,896
; FILING DATE: 26-SEP-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Mandragouras, Amy E
; REFERENCE/DOCKET NUMBER: MEI-001CP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)227-7400
; TELEFAX: (617)742-4214
; INFORMATION FOR SEQ ID NO: 23:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 605 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-042-785A-23

Query Match 83.7%; Score 2892; DB 4; Length 605;
Best Local Similarity 100.0%; Pred. No. 2.2e-248;
Matches 544; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MGTSPSSSTALSCSRIARRATATMIAGSLLLGLFLLSTTAQPEQKASNLIGTYRHVDRA 60
DB 1 MGTSPSSSTALSCSRIARRATATMIAGSLLLGLFLLSTTAQPEQKASNLIGTYRHVDRA 60
QY 61 TQGVLTCDKCPAGTYVSEHCTNTSLRVCSGPCVGTTRHENGIEKCHDCSQCPWPMEIK 120
DB 61 TQGVLTCDKCPAGTYVSEHCTNTSLRVCSGPCVGTTRHENGIEKCHDCSQCPWPMEIK 120
QY 121 LPCAALTDRECTCPGCMFOSNATCAPHTVCPGVGVRKKGTTEDVRCQKARGTSDVP 180
DB 121 LPCAALTDRECTCPGCMFOSNATCAPHTVCPGVGVRKKGTTEDVRCQKARGTSDVP 180
QY 181 SSVMKCKAYTDCLSQNLVVIKPGTKETDNCVCGTLPFSFSSSTSPSGCTAIFPRPEHMETHE 240
DB 181 SSVMKCKAYTDCLSQNLVVIKPGTKETDNCVCGTLPFSFSSSTSPSGCTAIFPRPEHMETHE 240
QY 241 VPSSTYVPGMNSTESSASVRPKVLSIQEGTVPDNTSSARGKEDVNTLPNLQVNH 300
DB 241 VPSSTYVPGMNSTESSASVRPKVLSIQEGTVPDNTSSARGKEDVNTLPNLQVNH 300
QY 301 QQGPHERHILKLLPSMEATGGKSSPTIKGPKRGHPRQNLKHFDINEHLPWMIVLFLLL 360
DB 301 QQGPHERHILKLLPSMEATGGKSSPTIKGPKRGHPRQNLKHFDINEHLPWMIVLFLLL 360
QY 361 VLWVIVVCSIRKSSRTLKKGPRQDPSAIVEKAGLKKSMPTQNREKWIYYCNGHGIDILK 420
DB 361 VLWVIVVCSIRKSSRTLKKGPRQDPSAIVEKAGLKKSMPTQNREKWIYYCNGHGIDILK 420
QY 421 LVAAQVGSQWKDIYQFLCNASEREVAAFNGYTDADHERAYAAALQHWITIRGPEASLAQLIS 480
DB 421 LVAAQVGSQWKDIYQFLCNASEREVAAFNGYTDADHERAYAAALQHWITIRGPEASLAQLIS 480
QY 481 ALRQHRNRDVEKIRGLMEDTTQLETDKLALPMSPLSPSPSPNAKLENSALLTVEP 540
DB 481 ALRQHRNRDVEKIRGLMEDTTQLETDKLALPMSPLSPSPSPNAKLENSALLTVEP 540
QY 541 SPQD 544
DB 541 SPQD 544

RESULT 4
US-09-042-785A-2
; Sequence 2, Application US/09042785A
; Patent No. 6194151
; GENERAL INFORMATION:
; APPLICANT: Busfield, Samantha J
; TITLE OF INVENTION: NOVEL MOLECULES OF THE TNF RECEPTOR SUPERFAMILY

;; TITLE OF INVENTION: AND USES THEREFOR
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD, LLP
; STREET: 28 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM: Floppy disk
; MEDIUM TYPE: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/042,785A
; FILING DATE: 17-MAR-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/938,896
; FILING DATE: 26-SEP-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Mandragouras, Amy E
; REFERENCE/DOCKET NUMBER: MEI-001CP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)227-7400
; TELEFAX: (617)742-4214
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 573 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-042-785A-2

Query Match 78.8%; Score 2723; DB 4; Length 573;
Best Local Similarity 90.2%; Pred. No. 2.1e-233;
Matches 517; Conservative 15; Mismatches 39; Indels 2; Gaps 2;
QY 84 SLRVCSGPCVGTTRHENGIEKCHDCSQCPWPMEIKLPCAALTDRECTCPGCMFOSNAT 143
DB 2 SLRVCSGPCVGTTRHENGIEKCHDCSQCPWPMEIKLPCAALTDRECTCPGCMFOSNAT 61
QY 144 CAPHTVCPGVGVRKKGTTEDVRCQKARGTSDVPSSVMKCKAYTDCLSQNLVVIKPG 203
DB 62 CAPHTVCPGVGVRKKGTTEDVRCQKARGTSDVPSSVMKCKAYTDCLSQNLVVIKPG 121
QY 204 TKETDNCVGTLPFSFSSSTSPSGCTAIFPRPEHMETHEVPSSTYVPGMNSTESSASVR 263
DB 122 TKETDNCVGTLPFSFSSSTSPSGCTAIFPRPEHMETHEVPSSTYVPGMNSTESSASVR 181
QY 264 PKVLSIQEGTVPDNTSSARGKEDVNTLPNLQVNHQOQPHRHILKLLP-SMEATGGE 322
DB 182 TKVPSGLEEGTVPDNTSSARGKEDVNTLPNLQVNHQOQPHRHILKLLP-SMEAT-GE 240
QY 323 KSSPTIKGPKRGHPRQNLKHFDINEHLPWMIVLFLLLVWVIVVCSIRKSSRTLKKGPR 382
DB 241 KSSPTIKGPKRGHPRQNLKHFDINEHLPWMIVLFLLLVWVIVVCSIRKSSRTLKKGPR 300
QY 383 QDPSAIVEKAGLKKSMPTQNREKWIYYCNGHGIDILKLVAAQVGSQWKDIYQFLCNASE 442
DB 301 QDPSAIVEKAGLKKSMPTQNREKWIYYCNGHGIDILKLVAAQVGSQWKDIYQFLCNASE 360
QY 443 REVAAFNGYTDADHERAYAAALQHWITIRGPEASLAQLISALRQHRNRDVEKIRGLMEDTT 502
DB 361 REVAAFNGYTDADHERAYAAALQHWITIRGPEASLAQLISALRQHRNRDVEKIRGLMEDTT 420
QY 503 QLETDKLALPMSPLSPSPSPNAKLENSALLTVEPSPQDNKKGFFVDESPLLRCDSS 562
DB 421 QLETDKLALPMSPLSPSPSPNAKLENSALLTVEPSPQDNKKGFFVDESPLLRCDSS 480
QY 563 TSSGSSALSNGSFITKREKQDVTLVROVRLDPCDLQPIFFDDMLHFLNPEELRVEEIPQAE 622
DB TSSGSSALSNGSFITKREKQDVTLVROVRLDPCDLQPIFFDDMLHFLNPEELRVEEIPQAE

Db 481 TSSGSAISNGSFITKEKQTVLRQVRLDPCDLOPIFDDMLHILNPEELRVIEEIPQAE 540
QY 623 DKLDRLFEEIGVKSQASOTLLDSVYSHLPDLL 655
Db 541 DKLDRLFEEIGVKSQASOTLLDSVYSHLPDLL 573

RESULT 5

US-09-042-785A-4
; Sequence 4, Application US/09042785A
; Patent No. 6194151
; GENERAL INFORMATION:
; APPLICANT: Busfield, Samantha J
; TITLE OF INVENTION: NOVEL MOLECULES OF THE TNF RECEPTOR SUPERFAMILY
; TITLE OF INVENTION: AND USES THEREFOR
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD, LLP
; STREET: 28 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/042,785A
; FILING DATE: 17-MAR-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/938,896
; FILING DATE: 26-SEP-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Mandragoras, Amy E
; REGISTRATION NUMBER: 36,207
; REFERENCE/DOCKET NUMBER: MEI-001CP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)227-7400
; TELEFAX: (617)742-4214
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 253 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-042-785A-4

Query Match 39.3%; Score 1359; DB 4; Length 253;
Best Local Similarity 100.0%; Pred. No. 9.7e-113;
Matches 249; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MGTSPSSSTALASCSRIARRATMTAGSLLGLFSTTTAQPEQKASNLGTYRHVDRA 60
Db 1 MGTSPSSSTALASCSRIARRATMTAGSLLGLFSTTTAQPEQKASNLGTYRHVDRA 60
QY 61 TGOVLTCDCPKAGTYVSEHCTNTSLRVCSGPCVGTFRHENGIEKCHDCSQPCPWPWIEK 120
Db 61 TGOVLTCDCPKAGTYVSEHCTNTSLRVCSGPCVGTFRHENGIEKCHDCSQPCPWPWIEK 120
QY 121 LPCAALTRECTCPGPMFQSNATCAPHTVCPVGMGVRKKGTTEDVRCQKARGTFSDVP 180
Db 121 LPCAALTRECTCPGPMFQSNATCAPHTVCPVGMGVRKKGTTEDVRCQKARGTFSDVP 180
QY 181 SSVMKCKAYTDCLSQNLVVIKGTETDNVCGTLPFSFSSSTSPSGCTAIFPRPHEMETHE 240
Db 181 SSVMKCKAYTDCLSQNLVVIKGTETDNVCGTLPFSFSSSTSPSGCTAIFPRPHEMETHE 240
QY 241 VPSSTVVPK 249
Db 241 VPSSTVVPK 249

RESULT 6

US-09-527-236A-19
; Sequence 19, Application US/09527236A
; Patent No. 6358508
; GENERAL INFORMATION:
; APPLICANT: Ni, Jian
; APPLICANT: Yu, Guo-Liang
; APPLICANT: Pan, Ping
; APPLICANT: Gentz, Reiner L.
; TITLE OF INVENTION: Human Tumor Necrosis Factor Receptor TR9
; FILE REFERENCE: PF375PI
; CURRENT APPLICATION NUMBER: US/09/527,236A
; CURRENT FILING DATE: 2000-03-16
; PRIOR APPLICATION NUMBER: 60/052,991
; PRIOR FILING DATE: 1997-06-11
; PRIOR APPLICATION NUMBER: 09/095,094
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/126,019
; PRIOR FILING DATE: 1999-03-24
; PRIOR APPLICATION NUMBER: 60/134,220
; PRIOR FILING DATE: 1999-05-14
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 19
; LENGTH: 147
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-527-236A-19

Query Match 24.3%; Score 841; DB 4; Length 147;
Best Local Similarity 99.3%; Pred. No. 4.5e-67;
Matches 146; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 66 TCDKCPAGTYVSEHCTNTSLRVCSGPCVGTFRHENGIEKCHDCSQPCPWPWIEKLPCAA 125
Db 1 TCDKCPAGTYVSEHCTNTSLRVCSGPCVGTFRHENGIEKCHDCSQPCPWPWIEKLPCAA 60
QY 126 LTDRECTCPGPMFQSNATCAPHTVCPVGMGVRKKGTTEDVRCQKARGTFSDVPSSVMK 185
Db 61 LTDRECTCPGPMFQSNATCAPHTVCPVGMGVRKKGTTEDVRCQKARGTFSDVPSSVMK 120
QY 186 CRAYTDCLSONLVVIKPGTKETDNVCG 212
Db 121 CRAYTDCLSONLVVIKPGTKETDNVCG 147

RESULT 7

US-08-959-382-4
; Sequence 4, Application US/08959382
; Patent No. 6013476
; GENERAL INFORMATION:
; APPLICANT: DEEN, KEITH
; APPLICANT: HURLE, MARK
; APPLICANT: YOUNG, PETER
; APPLICANT: TAN, K.B.
; TITLE OF INVENTION: Tumor Necrosis Related Receptor,
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: RATNER & PRESTIA
; STREET: P.O. BOX 980
; CITY: VALLEY FORGE
; STATE: PA
; COUNTRY: USA
; ZIP: 19482
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/959,382

;; FILING DATE: 28-OCT-1997
;; CLASSIFICATION: 514
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 60/041,796
;; FILING DATE: 02-APR-1997
;; ATTORNEY/AGENT INFORMATION:
;; NAME: PRESTIA, PAUL F
;; REGISTRATION NUMBER: 23,031
;; REFERENCE/DOCKET NUMBER: GH-50017
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 610-407-0700
;; TELEFAX: 610-407-0701
;; TELEX: 846169

;; INFORMATION FOR SEQ ID NO: 4:

;; SEQUENCE CHARACTERISTICS:

;; LENGTH: 125 amino acids

;; TYPE: amino acid

;; STRANDEDNESS: single

;; TOPOLOGY: linear

;; MOLECULE TYPE: protein

US-08-959-382-4

Query Match 19.5%; Score 673; DB 3; Length 125;

Best Local Similarity 100.0%; Pred. No. 3e-52; Indels 0; Gaps 0;

Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MCTSPSSSTALASCRRARRATATMIAGSLLGLFLSTTTAQPEOKASNLIGTYRHVDRA 60

Db 1 MCTSPSSSTALASCRRARRATATMIAGSLLGLFLSTTTAQPEOKASNLIGTYRHVDRA 60

QY 61 TGOVLTCDCPKAGTVSEHCTNTSLRVCSSCPVGFTRHENGIEKCHDCSQPCPWPMEIK 120

Db 61 TGOVLTCDCPKAGTVSEHCTNTSLRVCSSCPVGFTRHENGIEKCHDCSQPCPWPMEIK 120

QY 121 LPCAA 125

Db 121 LPCAA 125

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;; INFORMATION FOR SEQ ID NO: 30:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 84 amino acids
;; TYPE: amino acid
;; TOPOLOGY: linear
;; MOLECULE TYPE: peptide
;; FRAGMENT TYPE: internal
US-09-042-785A-30

Query Match 12.5%; Score 431; DB 4; Length 84;

Best Local Similarity 100.0%; Pred. No. 5.1e-31;

Matches 84; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 415 GIDILKLVAAQVGSQWKDIYQFLCNASEREVAFAFNGYTDADHERAYAAALQHWITIRGPEAS 474

Db 1 GIDILKLVAAQVGSQWKDIYQFLCNASEREVAFAFNGYTDADHERAYAAALQHWITIRGPEAS 60

QY 475 LAQLISALRQHRNDVVEKIRGLM 498

Db 61 LAQLISALRQHRNDVVEKIRGLM 84

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QY 475 LAOLISALROHRRNDVVEKIRGLM 498
Db 61 LAOLISALROHRRNDVVEKIRGLM 84

RESULT 10

US-09-527-236A-21
; Sequence 21, Application US/09527236A
; Patent No. 6358508
; GENERAL INFORMATION:
; APPLICANT: Ni, Jian
; APPLICANT: Yu, Guo-Liang
; APPLICANT: Fan, Ping
; APPLICANT: Gentz, Reiner L.
; TITLE OF INVENTION: Human Tumor Necrosis Factor Receptor TR9
; FILE REFERENCE: PF375P1
; CURRENT APPLICATION NUMBER: US/09/527,236A
; CURRENT FILING DATE: 2000-03-16
; PRIOR APPLICATION NUMBER: 60/052,991
; PRIOR FILING DATE: 1997-06-11
; PRIOR APPLICATION NUMBER: 09/095,094
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/126,019
; PRIOR FILING DATE: 1999-03-24
; PRIOR APPLICATION NUMBER: 60/134,220
; PRIOR FILING DATE: 1999-05-14
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 21
; LENGTH: 67
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-527-236A-21

Query Match 10.2%; Score 352; DB 4; Length 67;
Best Local Similarity 100.0%; Pred. No. 3.7e-24;
Matches 67; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 429 QKWDIYQFLCNASEREVAAFSGYTADHERAYALQHWITRGPEASLAQLISALROHRRN 488
Db 1 QKWDIYQFLCNASEREVAAFSGYTADHERAYALQHWITRGPEASLAQLISALROHRRN 60
QY 489 DVVEKIR 495
Db 61 DVVEKIR 67

RESULT 11

US-08-385-229-2
; Sequence 2, Application US/08385229
; Patent No. 5605690
; GENERAL INFORMATION:
; APPLICANT: Jacobs, Cindy A.
; APPLICANT: Smith, Craig A.
; TITLE OF INVENTION: Method of Treating TNF-Dependent
; TITLE OF INVENTION: Inflammation Using Tumor Necrosis Factor Antagonists
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunex Corporation
; STREET: 51 University Street
; CITY: Seattle
; STATE: Washington
; COUNTRY: U.S.A.
; ZIP: 98101
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/385,229
; FILING DATE:
; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/946,236
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Wight, Christopher L.
; REGISTRATION NUMBER: 31,680
; REFERENCE/DOCKET NUMBER: 2503
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 587-0430
; TELEFAX: (206) 587-0606
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 461 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-385-229-2

Query Match 9.9%; Score 343.5; DB 1; Length 461;
Best Local Similarity 29.2%; Pred. No. 4.6e-22;
Matches 95; Conservative 35; Mismatches 116; Indels 79; Gaps 11;
QY 65 LTCCKPCAGTYVSEHCTNTSLRVCCSPVGTFTTRHENGIEKHCDCQPCWPMIEKLPCA 124
Db 52 MCCSKGSPGOHAKVFTKTSYDTCDCEDSTYQLWNWPECLSCGSRCSQDQVETQACT 111
QY 125 ALTDRECTCPGGMF-----QSNATCAPHTVCVPGWGVKKGKGTETEDVRCKQCARFTSD 178
Db 112 REONRICTRPGWYCALSKQEGRLCAPLKKRPGFGVARGPTETSDVCKPCAPGTFN 171
QY 179 VPSSVMKRAYTDCLSQNLVVIKPGTKETDNCVGTLPFSSTSP-----SPGTAIPRP- 233
Db 172 TTSSTDICRPHQIC--NVVAI-PGNASMDAVC-----TSTSPTRSMAPGAVHLPQV 220
QY 234 -----EHMETHEVPS-----STVYPMKMNSTESNS----- 259
Db 221 STRSQHTQPTPEPSTAPSTFLLPMGPSPPAEGSTGDFALPVLGVGTALGSLIIIGVN 280
QY 260 ----ASVRKPVLSISIOEGTVPD-NTSSARGKEDVNKTLNQLVNVHQGPVPHRHILKLLP 314
Db 281 CVIMTQVKKKCLQREAKVPHLPADKARG-----TQGEQQLLITAP 324
QY 315 SMEATGGEKSTPI--KGPKRGHPR 337
Db 325 SSSSSLESSASALDRRAPTRNPQ 349

RESULT 12

US-08-650-000-2
; Sequence 2, Application US/08650000
; Patent No. 5945397
; GENERAL INFORMATION:
; APPLICANT: Smith, Craig A.
; APPLICANT: Goodwin, Raymond G.
; APPLICANT: Beckmann, M. Patricia
; TITLE OF INVENTION: Tumor Necrosis Factor Receptors
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunex Corporation
; STREET: 51 University Street
; CITY: Seattle
; STATE: Washington
; COUNTRY: U.S.A.
; ZIP: 98101
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/650,000
; FILING DATE:
; CLASSIFICATION: 435

;; CITY: Washington
;; STATE: D.C.
;; COUNTRY: USA
;; ZIP: 20004
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: PatentIn Release #1.0, Version #1.25
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/477,347
;; FILING DATE:
;; CLASSIFICATION:
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 08/115,685
;; FILING DATE:
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: IL 106271
;; FILING DATE: 08-JUL-1993
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Townsend, G. Kevin
;; REGISTRATION NUMBER: 34,033
;; REFERENCE/DOCKET NUMBER: WALLACH-10
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 202-628-5197
;; TELEFAX: 202-737-3528
;; TELEX: 248633
;; INFORMATION FOR SEQ ID NO: 3:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 461 amino acids
;; TYPE: amino acid
;; TOPOLOGY: linear
;; MOLECULE TYPE: protein
;; US-08-477-347-3

Query Match 9.9%; Score 343.5; DB 4; Length 461;
Best Local Similarity 29.2%; Pred. No. 4.6e-22;
Matches 95; Conservative 35; Mismatches 116; Indels 79; Gaps 11;
QY 65 LTCDKCPAGTYVSEHCNTSLRVCSGPCVGTFTRHENGIEKCHDCSQPCPWPMEIKLPKA 124
DB 52 MCCSKCSPGOHAKVFTKTSDFVDCSDSTYQLNWNWPECLSCGSRCSDDOQVETQACT 111
QY 125 ALTDRECTPPGMF-----QSNATCAPIHTVCPVGVKRGKGTETEDVRCKOCARGTFSD 178
DB 112 REQNRICTCRPGWYCALSKQEGCRLCAPLKRCPGFGVARPGTETSDVYCKKPCAPGTFSN 171
QY 179 VPSVVMKCAKTYDCLSNLWIKPGTKETDNYCGTLPFSFSSSTSP-----SPGTAIFPRP- 233
DB 172 TTSSTDICPHQIC---NVVAI-PGNASMDAVC-----TSTSPTRSMAPGAVHLPQPV 220
QY 234 ----EHMETHEVPS-----STVYPKGMNSTESNSS----- 259
DB 221 STRSQHTQTPPESTAPSTFLLPMGCPSPAEGSTGDFALPVGLIVGVTVLGLLIIGVYN 280
QY 260 ----ASVRPKVLSSIQEGTVPD-NTSSARGKEDVKNLTPNLQVNVHQQGPHRHILKLLP 314
DB 281 CVIMTQVKKKPLCLQREAKVPHLPADKARG-----TOGPEQOHLITAP 324
QY 315 SMEATGGEKSSPTPI--KGPKRGHPR 337
DB 325 SSSSSLESSASALDRRAPTRNQPO 349

RESULT 15
US-09-006-353A-4
; Sequence 4, Application US/09006353A
; Patent No. 6261801
; -GENERAL INFORMATION:
; APPLICANT: WEI, YING-FEI
; APPLICANT: YU, GUO-LIANG
; APPLICANT: GENTZ, REINER
; APPLICANT: RUBEN, STEVEN

;; TITLE OF INVENTION: TUMOR NECROSIS FACTOR RECEPTOR 5
;; NUMBER OF SEQUENCES: 26
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: HUMAN GENOME SCIENCES, INC.
;; STREET: 9410 KEY WEST AVENUE
;; CITY: ROCKVILLE
;; STATE: MD
;; COUNTRY: US
;; ZIP: 20850
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: PatentIn Release #1.0, Version #1.30
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/09/006,353A
;; FILING DATE:
;; CLASSIFICATION: 435
;; ATTORNEY/AGENT INFORMATION:
;; NAME: BROOKES, ANDERS A
;; REGISTRATION NUMBER: 36,373
;; REFERENCE/DOCKET NUMBER: PF341
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (301) 309-8504
;; TELEFAX: (301) 309-8512
;; INFORMATION FOR SEQ ID NO: 4:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 461 amino acids
;; TYPE: amino acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: protein
;; US-09-006-353A-4

Query Match 9.9%; Score 343.5; DB 4; Length 461;
Best Local Similarity 29.2%; Pred. No. 4.6e-22;
Matches 95; Conservative 35; Mismatches 116; Indels 79; Gaps 11;
QY 65 LTCDKCPAGTYVSEHCNTSLRVCSGPCVGTFTRHENGIEKCHDCSQPCPWPMEIKLPKA 124
DB 52 MCCSKCSPGOHAKVFTKTSDFVDCSDSTYQLNWNWPECLSCGSRCSDDOQVETQACT 111
QY 125 ALTDRECTPPGMF-----QSNATCAPIHTVCPVGVKRGKGTETEDVRCKOCARGTFSD 178
DB 112 REQNRICTCRPGWYCALSKQEGCRLCAPLKRCPGFGVARPGTETSDVYCKKPCAPGTFSN 171
QY 179 VPSVVMKCAKTYDCLSNLWIKPGTKETDNYCGTLPFSFSSSTSP-----SPGTAIFPRP- 233
DB 172 TTSSTDICPHQIC---NVVAI-PGNASMDAVC-----TSTSPTRSMAPGAVHLPQPV 220
QY 234 ----EHMETHEVPS-----STVYPKGMNSTESNSS----- 259
DB 221 STRSQHTQTPPESTAPSTFLLPMGCPSPAEGSTGDFALPVGLIVGVTVLGLLIIGVYN 280
QY 260 ----ASVRPKVLSSIQEGTVPD-NTSSARGKEDVKNLTPNLQVNVHQQGPHRHILKLLP 314
DB 281 CVIMTQVKKKPLCLQREAKVPHLPADKARG-----TOGPEQOHLITAP 324
QY 315 SMEATGGEKSSPTPI--KGPKRGHPR 337
DB 325 SSSSSLESSASALDRRAPTRNQPO 349

Search completed: June 5, 2003, 14:16:04
Job time : 19 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: June 5, 2003, 14:15:48 ; Search time 17 Seconds
(without alignments)
1133.648 Million cell updates/sec

Title: US-10-041-574-2

Perfect score: 655

Sequence: 1 MGTSPSSSTALASCSRIARR.....SQEASQTLLDSVYSHLPDLL 655

Scoring table: OLIGO

Gapop 60.0 , Gapext 60.0

Searched: 262574 seqs, 29422922 residues

Word size : 0

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Database :

- Issued_Patents_AA.*
- 1: /cgn2.6/ptodata/1/1aa/5A_COMB.pep.*
- 2: /cgn2.6/ptodata/1/1aa/5B_COMB.pep.*
- 3: /cgn2.6/ptodata/1/1aa/6A_COMB.pep.*
- 4: /cgn2.6/ptodata/1/1aa/6B_COMB.pep.*
- 5: /cgn2.6/ptodata/1/1aa/PCTUS_COMB.pep.*
- 6: /cgn2.6/ptodata/1/1aa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	655	100.0	655	4	US-09-527-236A-2
2	631	96.3	655	3	US-08-959-382-2
3	544	83.1	605	4	US-09-042-785A-23
4	249	38.0	253	4	US-09-042-785A-4
5	125	19.1	125	3	US-08-959-382-4
6	119	18.2	147	4	US-09-527-236A-19
7	116	17.7	573	4	US-09-042-785A-2
8	84	12.8	84	4	US-09-042-785A-30
9	84	12.8	84	4	US-09-042-785A-31
10	67	10.2	67	4	US-09-527-236A-21
11	8	1.2	393	2	US-09-026-587-3
12	8	1.2	393	2	US-09-227-420-3
13	8	1.2	418	2	US-09-026-587-1
14	8	1.2	418	2	US-09-227-420-1
15	8	1.2	987	1	US-08-436-044-6
16	8	1.2	987	2	US-08-436-054-6
17	8	1.2	987	5	PCT-US95-08812-6
18	8	1.2	1276	1	US-08-222-616-24
19	8	1.2	1276	4	US-08-446-648-24
20	8	1.2	1276	5	PCT-US95-04228-24
21	7	1.1	14	2	US-08-480-229C-12
22	7	1.1	14	2	US-08-659-235C-12
23	7	1.1	28	4	US-08-817-811-17
24	7	1.1	32	2	US-08-518-967-10
25	7	1.1	73	4	US-09-134-001C-5305
26	7	1.1	129	4	US-08-981-601-20
27	7	1.1	135	3	US-08-950-720A-6

ALIGNMENTS

RESULT 1

US-09-527-236A-2
; Sequence 2, Application US/09527236A
; Patent No. 6358508
; GENERAL INFORMATION:
; APPLICANT: NI, Jian
; APPLICANT: Yu, Guo-Liang
; APPLICANT: Fan, Ping
; APPLICANT: Gentz, Reiner L.
; TITLE OF INVENTION: Human Tumor Necrosis Factor Receptor TR9
; FILE REFERENCE: PF375Pl
; CURRENT APPLICATION NUMBER: US/09/527,236A
; PRIOR FILING DATE: 2000-03-16
; PRIOR APPLICATION NUMBER: 60/052,991
; PRIOR FILING DATE: 1997-06-11
; PRIOR APPLICATION NUMBER: 09/095,094
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/126,019
; PRIOR FILING DATE: 1999-03-24
; PRIOR APPLICATION NUMBER: 60/134,220
; PRIOR FILING DATE: 1999-05-14
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 655
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-527-236A-2

Query Match 100.0%; Score 655; DB 4; Length 655;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 655; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	MGTSPSSSTALASCSRIARRATMTAGSLLLGLFLSTTAQPEOKASNLIGTYRHVDRA	60
Db	1	MGTSPSSSTALASCSRIARRATMTAGSLLLGLFLSTTAQPEOKASNLIGTYRHVDRA	60
QY	61	TQGVLTCDKCPAGTYVSEHCTNTSLRVCSSCPVGFTTRHENGIEKCHDCSQCPWPMIEK	120
Db	61	TQGVLTCDKCPAGTYVSEHCTNTSLRVCSSCPVGFTTRHENGIEKCHDCSQCPWPMIEK	120
QY	121	LPCAALTRECTCPGFMFOSNATCAPHTVCPVGWVRKKGTTEDVRCQKARGTSDVP	180
Db	121	LPCAALTRECTCPGFMFOSNATCAPHTVCPVGWVRKKGTTEDVRCQKARGTSDVP	180
QY	181	SSVMCKAYTDCLSNLVVKPKTKETDNVCGTLPFSFSSSTSPSPGTAFFPRPEHMETHE	240
Db	181	SSVMCKAYTDCLSNLVVKPKTKETDNVCGTLPFSFSSSTSPSPGTAFFPRPEHMETHE	240
QY	241	VPSSTVVPKGMNSTESNSSAVRPKVLSSIQEGTVPDNTSSARGKEDVKNKTLPLNQVNH	300

Db 241 VPSSTVYVPGMNSTESNSASVRPKVLSIQEGTVPDNTSSARGKEDVKNKTLPLNQVNH 300
QY 301 QGQPHRHILKLLPSMEATGGEKSTPIKPKRGHPQNLKHKFDINEHLPWMIVLFLLL 360
Db 301 QGQPHRHILKLLPSMEATGGEKSTPIKPKRGHPQNLKHKFDINEHLPWMIVLFLLL 360
QY 361 VLWVIVVCSIRKSSRTLKKGPRQDPSAIVEKAGLKKSMPTQNRKWIYVYCNHGHIDILK 420
Db 361 VLWVIVVCSIRKSSRTLKKGPRQDPSAIVEKAGLKKSMPTQNRKWIYVYCNHGHIDILK 420
QY 421 LVAAQVGSQWKDIYQFLCNASEREVAAFNGYTTADHERAYAAALQHWITIRGPEASLAQLIS 480
Db 421 LVAAQVGSQWKDIYQFLCNASEREVAAFNGYTTADHERAYAAALQHWITIRGPEASLAQLIS 480
QY 481 ALRQHRNDVVEKIRGLMEDTTOLETDKALPMSPLSPSPSPNAKLENSALLTVEP 540
Db 481 ALRQHRNDVVEKIRGLMEDTTOLETDKALPMSPLSPSPSPNAKLENSALLTVEP 540
QY 541 SPQDNKNGFFVDESEPLLRCDSTSSGSSALSRLNGSFITREKKTDLRQVRLDPCDILQPIF 600
Db 541 SPQDNKNGFFVDESEPLLRCDSTSSGSSALSRLNGSFITREKKTDLRQVRLDPCDILQPIF 600
QY 601 DMLHFLNPEELRVIEEIPQAEKDLRLFEIIGVKQSEASQTLDSVYSHLPDLL 655
Db 601 DMLHFLNPEELRVIEEIPQAEKDLRLFEIIGVKQSEASQTLDSVYSHLPDLL 655

RESULT 2

US-08-959-382-2
; Sequence 2, Application US/08959382
; Patent No. 6013476
; GENERAL INFORMATION:
; APPLICANT: DEEN, KEITH
; APPLICANT: HURLE, MARK
; APPLICANT: YOUNG, PETER
; APPLICANT: TAN, K.B.
; TITLE OF INVENTION: Tumor Necrosis Related Receptor,
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: RAYNER & PRESTIA
; STREET: P.O. BOX 980
; CITY: VALLEY FORGE
; STATE: PA
; COUNTRY: USA
; ZIP: 19482
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/959,382
; FILING DATE: 28-OCT-1997
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/041,796
; FILING DATE: 02-APR-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: PRESTIA, PAUL F
; REGISTRATION NUMBER: 23,031
; REFERENCE/DOCKET NUMBER: GH-50017
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-407-0700
; TELEFAX: 610-407-0701
; TELEFAX: 846169
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 655 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear

; MOLECULE TYPE: protein
US-08-959-382-2
Query Match 96.3%; Score 631; DB 3; Length 655;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 631; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 25 MIAGSLLLLGFLSTTTTAQPEQKASNLIGYRHRVDRATGQVLTCDKCPAGTYVYSEHCNTNS 84
Db 25 MIAGSLLLLGFLSTTTTAQPEQKASNLIGYRHRVDRATGQVLTCDKCPAGTYVYSEHCNTNS 84
QY 85 LRVCCSCPVGTTTRHENGIEKCHDCSQCPWPMEIKLPCAALTDRCTCPPGWFQSNATC 144
Db 85 LRVCCSCPVGTTTRHENGIEKCHDCSQCPWPMEIKLPCAALTDRCTCPPGWFQSNATC 144
QY 145 APTHTVCVGVGVRKGTETEDVRCQKARGTSDVPSSVMKCKAYTDCLSQNLVLTGPGT 204
Db 145 APTHTVCVGVGVRKGTETEDVRCQKARGTSDVPSSVMKCKAYTDCLSQNLVLTGPGT 204
QY 205 KETDNVCGTLPSPSSSTSPGTAIFPRPEHMETHEVPSSTVYVPGMNSTESNSASVRP 264
Db 205 KETDNVCGTLPSPSSSTSPGTAIFPRPEHMETHEVPSSTVYVPGMNSTESNSASVRP 264
QY 265 KVLSSIQEGTVPDNTSSARGKEDVKNKTLPLNQVNHQGGPHRHILKLLPSMEATGGEKS 324
Db 265 KVLSSIQEGTVPDNTSSARGKEDVKNKTLPLNQVNHQGGPHRHILKLLPSMEATGGEKS 324
QY 325 STPIKGRKGRHPQNLKHKFDINEHLPWMIVLFLLLVIVVCSIRKSSRTLKKGPROD 384
Db 325 STPIKGRKGRHPQNLKHKFDINEHLPWMIVLFLLLVIVVCSIRKSSRTLKKGPROD 384
QY 385 PSAIVEKAGLKKSMPTQNRKWIYVYCNHGHIDILKVAQVGSQWKDIYQFLCNASERE 444
Db 385 PSAIVEKAGLKKSMPTQNRKWIYVYCNHGHIDILKVAQVGSQWKDIYQFLCNASERE 444
QY 445 VAAFSNGYTTADHERAYAAALQHWITIRGPEASLAQLISALRQHRNDVVEKIRGLMEDTTL 504
Db 445 VAAFSNGYTTADHERAYAAALQHWITIRGPEASLAQLISALRQHRNDVVEKIRGLMEDTTL 504
QY 505 ETDKALPMSPLSPSPSPNAKLENSALLTVEPSPQDNKNGFFVDESEPLLRCDSTS 564
Db 505 ETDKALPMSPLSPSPSPNAKLENSALLTVEPSPQDNKNGFFVDESEPLLRCDSTS 564
QY 565 SGSSALSRLNGSFITREKKTDLRQVRLDPCDILQPIFDDMLHFLNPEELRVIEEIPQAEK 624
Db 565 SGSSALSRLNGSFITREKKTDLRQVRLDPCDILQPIFDDMLHFLNPEELRVIEEIPQAEK 624
QY 625 LDRLFEIIGVKQSEASQTLDSVYSHLPDLL 655
Db 625 LDRLFEIIGVKQSEASQTLDSVYSHLPDLL 655

RESULT 3

US-09-042-785A-23
; Sequence 23, Application US/09042785A
; Patent No. 6194151
; GENERAL INFORMATION:
; APPLICANT: Busfield, Samantha J
; TITLE OF INVENTION: NOVEL MOLECULES OF THE TNF RECEPTOR SUPERFAMILY
; TITLE OF INVENTION: AND USES THEREFOR
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD, LLP
; STREET: 28 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25

;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/09/042,785A
;; FILING DATE: 17-MAR-1998
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US 08/938,896
;; FILING DATE: 26-SEP-1997
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Mandragouras, Amy E
;; REGISTRATION NUMBER: 36,207
;; REFERENCE/DOCKET NUMBER: MEI-001CP
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (617)227-7400
;; TELEFAX: (617)742-4214
;; INFORMATION FOR SEQ ID NO: 23:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 605 amino acids
;; TYPE: amino acid
;; TOPOLOGY: linear
;; MOLECULE TYPE: protein
US-09-042-785A-23

Query Match 83.1%; Score 544; DB 4; Length 605;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 544; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGTSPSSSTALASCRIARRATATMIAGSLLLGLFSLTTTAQPEKASNLIGTYRHVDRA 60
Db 1 MGTSPSSSTALASCRIARRATATMIAGSLLLGLFSLTTTAQPEKASNLIGTYRHVDRA 60

QY 61 TQVLTCDKCPAGTYVSEHCTNTSLRVSCSCPVGTFTRHENGIEKHCDCSQCPWPMEIK 120
Db 61 TQVLTCDKCPAGTYVSEHCTNTSLRVSCSCPVGTFTRHENGIEKHCDCSQCPWPMEIK 120

QY 121 LPCAALTDRCTCPGCMFOSNATCAPHTVCPVGWGVKKGTTEDVRCQKARGTSDVP 180
Db 121 LPCAALTDRCTCPGCMFOSNATCAPHTVCPVGWGVKKGTTEDVRCQKARGTSDVP 180

QY 181 SSVMKCKAYTDCLSQNLVVIKPGTKETDNVCGTLPFSFSSSTSPSPGTAIFPRPEHMETHE 240
Db 181 SSVMKCKAYTDCLSQNLVVIKPGTKETDNVCGTLPFSFSSSTSPSPGTAIFPRPEHMETHE 240

QY 241 VPSSYVPGKMNSTESNSASVPRKVLSSIQEGTVPDNTSSARGEDVKNKTLPLNQVNH 300
Db 241 VPSSYVPGKMNSTESNSASVPRKVLSSIQEGTVPDNTSSARGEDVKNKTLPLNQVNH 300

QY 301 QQGPHRHRLKLLPSMEATGGKSTPIKGRKHPRQNLKHEDINEHLPWMIVLFLLL 360
Db 301 QQGPHRHRLKLLPSMEATGGKSTPIKGRKHPRQNLKHEDINEHLPWMIVLFLLL 360

QY 361 VLWVIVVCSIRKSSRTLKGPQDPSPAIVEKAGLKKSMPTQNRKWIYYCNGHGDILK 420
Db 361 VLWVIVVCSIRKSSRTLKGPQDPSPAIVEKAGLKKSMPTQNRKWIYYCNGHGDILK 420

QY 421 LVAAQVGSQWKDIYFLCNASREVAAFNGYTAHERAYALQHWITIRGPEASLAQLIS 480
Db 421 LVAAQVGSQWKDIYFLCNASREVAAFNGYTAHERAYALQHWITIRGPEASLAQLIS 480

QY 481 ALRQHRNDVVEKIRGLMEDTTQLETDKLALPMSPLSPSPSPNAKLENSALLTVEP 540
Db 481 ALRQHRNDVVEKIRGLMEDTTQLETDKLALPMSPLSPSPSPNAKLENSALLTVEP 540

QY 541 SPQD 544
Db 541 SPQD 544

RESULT 4
US-09-042-785A-4
; Sequence 4, Application US/09042785A
; Patent No. 6194151
; GENERAL INFORMATION:
; APPLICANT: Busfield, Samantha J
; TITLE OF INVENTION: NOVEL MOLECULES OF THE TNF RECEPTOR SUPERFAMILY

;; TITLE OF INVENTION: AND USES THEREFOR
;; NUMBER OF SEQUENCES: 31
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: LAHIVE & COCKFIELD, LLP
;; STREET: 28 State Street
;; CITY: Boston
;; STATE: Massachusetts
;; COUNTRY: USA
;; ZIP: 02109
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: PatentIn Release #1.0, Version #1.25
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/09/042,785A
;; FILING DATE: 17-MAR-1998
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US 08/938,896
;; FILING DATE: 26-SEP-1997
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Mandragouras, Amy E
;; REGISTRATION NUMBER: 36,207
;; REFERENCE/DOCKET NUMBER: MEI-001CP
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (617)227-7400
;; TELEFAX: (617)742-4214
;; INFORMATION FOR SEQ ID NO: 4:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 253 amino acids
;; TYPE: amino acid
;; TOPOLOGY: linear
;; MOLECULE TYPE: protein
US-09-042-785A-4

Query Match 38.0%; Score 249; DB 4; Length 253;
Best Local Similarity 100.0%; Pred. No. 4.9e-236;
Matches 249; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGTSPSSSTALASCRIARRATATMIAGSLLLGLFSLTTTAQPEKASNLIGTYRHVDRA 60
Db 1 MGTSPSSSTALASCRIARRATATMIAGSLLLGLFSLTTTAQPEKASNLIGTYRHVDRA 60

QY 61 TQVLTCDKCPAGTYVSEHCTNTSLRVSCSCPVGTFTRHENGIEKHCDCSQCPWPMEIK 120
Db 61 TQVLTCDKCPAGTYVSEHCTNTSLRVSCSCPVGTFTRHENGIEKHCDCSQCPWPMEIK 120

QY 121 LPCAALTDRCTCPGCMFOSNATCAPHTVCPVGWGVKKGTTEDVRCQKARGTSDVP 180
Db 121 LPCAALTDRCTCPGCMFOSNATCAPHTVCPVGWGVKKGTTEDVRCQKARGTSDVP 180

QY 181 SSVMKCKAYTDCLSQNLVVIKPGTKETDNVCGTLPFSFSSSTSPSPGTAIFPRPEHMETHE 240
Db 181 SSVMKCKAYTDCLSQNLVVIKPGTKETDNVCGTLPFSFSSSTSPSPGTAIFPRPEHMETHE 240

QY 241 VPSSYVPGK 249
Db 241 VPSSYVPGK 249

RESULT 5
US-08-959-382-4
; Sequence 4, Application US/08959382
; Patent No. 6013476
; GENERAL INFORMATION:
; APPLICANT: DEEN, KEITH
; APPLICANT: HURLE, MARK
; APPLICANT: YOUNG, PETER
; APPLICANT: TAN, K.B.
; TITLE OF INVENTION: Tumor Necrosis Related Receptor,
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:

```
; ADDRESSEE: RATNER & PRESTIA
; STREET: P.O. BOX 980
; CITY: VALLEY FORGE
; STATE: PA
; COUNTRY: USA
; ZIP: 19482
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/959,382
; FILING DATE: 28-OCT-1997
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/041,796
; FILING DATE: 02-APR-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: PRESTIA, PAUL F
; REGISTRATION NUMBER: 23,031
; REFERENCE/DOCKET NUMBER: GH-50017
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-407-0700
; TELEFAX: 610-407-0701
; TELEX: 846169
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 125 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-959-382-4

Query Match 19.1%; Score 125; DB 3; Length 125;
Best Local Similarity 100.0%; Pred. No. 1.1e-114;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGTSPSSSTALASCSRIARRATMTAGSLLGLFLSTTTAOPKASNLIGTYRHVDRA 60
Db 1 MGTSPSSSTALASCSRIARRATMTAGSLLGLFLSTTTAOPKASNLIGTYRHVDRA 60
QY 61 TGQVLCDCPCAGTYVSEHCTNTSLRVCSSCPVGTFTRHENGIEKCHDCSQPCPWPWIEK 120
Db 61 TGQVLCDCPCAGTYVSEHCTNTSLRVCSSCPVGTFTRHENGIEKCHDCSQPCPWPWIEK 120
QY 121 LPCAA 125
Db 121 LPCAA 125

RESULT 6
US-09-527-236A-19
; Sequence 19, Application US/09527236A
; Patent No. 6358508
; GENERAL INFORMATION:
; APPLICANT: N1, Jian
; APPLICANT: Yu, Guo-Liang
; APPLICANT: Fan, Ping
; APPLICANT: Gentz, Reiner L.
; TITLE OF INVENTION: Human Tumor Necrosis Factor Receptor TR9
; FILE REFERENCE: PF375P1
; CURRENT APPLICATION NUMBER: US/09/527,236A
; PRIOR FILING DATE: 2000-03-16
; PRIOR APPLICATION NUMBER: 60/052,991
; PRIOR FILING DATE: 1997-06-11
; PRIOR APPLICATION NUMBER: 09/095,094
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/126,019
; PRIOR FILING DATE: 1999-03-24
; PRIOR APPLICATION NUMBER: 60/134,220
; PRIOR FILING DATE: 1999-05-14
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; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 19
; LENGTH: 147
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-527-236A-19

Query Match 18.2%; Score 119; DB 4; Length 147;
Best Local Similarity 100.0%; Pred. No. 9.4e-109;
Matches 119; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 66 TCDKCPAGTYVSEHCTNTSLRVCSSCPVGTFTRHENGIEKCHDCSQPCPWPWIEKLPCAA 125
Db 1 TCDKCPAGTYVSEHCTNTSLRVCSSCPVGTFTRHENGIEKCHDCSQPCPWPWIEKLPCAA 60
QY 126 LTDRECTCPGPMFQSNATCAPHTVCPVGVGRKKGTTETEDVRCCKQARGTFSVPSSVM 184
Db 61 LTDRECTCPGPMFQSNATCAPHTVCPVGVGRKKGTTETEDVRCCKQARGTFSVPSSVM 119

RESULT 7
US-09-042-785A-2
; Sequence 2, Application US/09042785A
; Patent No. 6194151
; GENERAL INFORMATION:
; APPLICANT: Busfield, Samantha J
; TITLE OF INVENTION: NOVEL MOLECULES OF THE TNF RECEPTOR SUPERFAMILY
; TITLE OF INVENTION: AND USES THEREFOR
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD, LLP
; STREET: 28 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/042,785A
; FILING DATE: 17-MAR-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/938,896
; FILING DATE: 26-SEP-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Mandragouras, Amy E
; REGISTRATION NUMBER: 36,207
; REFERENCE/DOCKET NUMBER: MEI-001CP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)227-7400
; TELEFAX: (617)742-4214
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 573 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-09-042-785A-2

Query Match 17.7%; Score 116; DB 4; Length 573;
Best Local Similarity 100.0%; Pred. No. 2.9e-105;
Matches 116; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 412 NGHGDILKLVAAQVGSQWKDIYQFLCNASEREVAAFNSGYTADHERAYAAQLQHWIRGP 471
Db 330 NGHGDILKLVAAQVGSQWKDIYQFLCNASEREVAAFNSGYTADHERAYAAQLQHWIRGP 389
QY 472 EASLAQLISALRQHRNDVVEKIRGLMDETTTQLETKLALPWSPLSPSPSPN 527
|||||
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Db 390 EASLAQLSALRQHRNDVVEKIRGLMEDTQLETKLALPMSPLSPSPSPN 445

RESULT 8

US-09-042-785A-30

Sequence 30, Application US/09042785A

Patent No. 6194151

GENERAL INFORMATION:

APPLICANT: Busfield, Samantha J

TITLE OF INVENTION: NOVEL MOLECULES OF THE TNF RECEPTOR SUPERFAMILY

TITLE OF INVENTION: AND USES THEREFOR

NUMBER OF SEQUENCES: 31

CORRESPONDENCE ADDRESS:

ADDRESSEE: LAHIVE & COCKFIELD, LLP

STREET: 28 State Street

CITY: Boston

STATE: Massachusetts

COUNTRY: USA

ZIP: 02109

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/042,785A

FILING DATE: 17-MAR-1998

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/938,896

FILING DATE: 26-SEP-1997

ATTORNEY/AGENT INFORMATION:

NAME: Mandragouras, Amy E

REGISTRATION NUMBER: 36,207

REFERENCE/DOCKET NUMBER: MEI-001CP

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617)227-7400

TELEFAX: (617)742-4214

INFORMATION FOR SEQ ID NO: 30:

SEQUENCE CHARACTERISTICS:

LENGTH: 84 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: peptide

FRAGMENT TYPE: internal

US-09-042-785A-30

Query Match 12.8%; Score 84; DB 4; Length 84;

Best Local Similarity 100.0%; Pred. No. 1.2e-74;

Matches 84; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 415 GIDILKLVAAQVGSQWKDIYQFLCNASEREVAAFSGYGTADHERAYAAALQHQHTIRGPEAS 474

Db 1 GIDILKLVAAQVGSQWKDIYQFLCNASEREVAAFSGYGTADHERAYAAALQHQHTIRGPEAS 60

QY 475 LAQLSALRQHRNDVVEKIRGLM 498

Db 61 LAQLSALRQHRNDVVEKIRGLM 84

RESULT 9

US-09-042-785A-31

Sequence 31, Application US/09042785A

Patent No. 6194151

GENERAL INFORMATION:

APPLICANT: Busfield, Samantha J

TITLE OF INVENTION: NOVEL MOLECULES OF THE TNF RECEPTOR SUPERFAMILY

TITLE OF INVENTION: AND USES THEREFOR

NUMBER OF SEQUENCES: 31

CORRESPONDENCE ADDRESS:

ADDRESSEE: LAHIVE & COCKFIELD, LLP

STREET: 28 State Street

CITY: Boston

STATE: Massachusetts

COUNTRY: USA

ZIP: 02109

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/042,785A

FILING DATE: 17-MAR-1998

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/938,896

FILING DATE: 26-SEP-1997

ATTORNEY/AGENT INFORMATION:

NAME: Mandragouras, Amy E

REGISTRATION NUMBER: 36,207

REFERENCE/DOCKET NUMBER: MEI-001CP

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617)227-7400

TELEFAX: (617)742-4214

INFORMATION FOR SEQ ID NO: 31:

SEQUENCE CHARACTERISTICS:

LENGTH: 84 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: peptide

FRAGMENT TYPE: internal

US-09-042-785A-31

Query Match 12.8%; Score 84; DB 4; Length 84;

Best Local Similarity 100.0%; Pred. No. 1.2e-74;

Matches 84; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 415 GIDILKLVAAQVGSQWKDIYQFLCNASEREVAAFSGYGTADHERAYAAALQHQHTIRGPEAS 474

Db 1 GIDILKLVAAQVGSQWKDIYQFLCNASEREVAAFSGYGTADHERAYAAALQHQHTIRGPEAS 60

QY 475 LAQLSALRQHRNDVVEKIRGLM 498

Db 61 LAQLSALRQHRNDVVEKIRGLM 84

RESULT 10

US-09-527-236A-21

Sequence 21, Application US/09527236A

Patent No. 6358508

GENERAL INFORMATION:

APPLICANT: Ni, Jian

APPLICANT: Yu, Guo-Liang

APPLICANT: Fan, Ping

APPLICANT: Gentz, Reiner L.

TITLE OF INVENTION: Human Tumor Necrosis Factor Receptor TR9

FILE REFERENCE: PF375PI

CURRENT APPLICATION NUMBER: US/09/527,236A

CURRENT FILING DATE: 2000-03-16

PRIOR APPLICATION NUMBER: 60/052,991

PRIOR FILING DATE: 1997-06-11

PRIOR APPLICATION NUMBER: 09/095,094

PRIOR FILING DATE: 1998-06-10

PRIOR APPLICATION NUMBER: 60/126,019

PRIOR FILING DATE: 1999-03-24

PRIOR APPLICATION NUMBER: 60/134,220

PRIOR FILING DATE: 1999-05-14

NUMBER OF SEQ ID NOS: 27

SOFTWARE: PatentIn Ver. 2.1

SEQ ID NO 21

LENGTH: 67

TYPE: PRT

ORGANISM: Homo sapiens

US-09-527-236A-21

Query Match 10.2%; Score 67; DB 4; Length 67;

Best Local Similarity 100.0%; Pred. No. 4.5e-58;

Matches 67; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 429 QWKDIYQFLCNASEREVAAFSNGYTADHERAYAAQHWTIRGPEASLAQLISALRQHRN 488

Db 1 QWKDIYQFLCNASEREVAAFSNGYTADHERAYAAQHWTIRGPEASLAQLISALRQHRN 60

QY 489 DVVEKIR 495

Db 61 DVVEKIR 67

RESULT 11

US-09-026-587-3

; Sequence 3, Application US/09026587

; Patent No. 5912128

; GENERAL INFORMATION:

; APPLICANT: Lal, Preeti

; APPLICANT: Guegler, Karl J.

; APPLICANT: Corley, Neil C.

; TITLE OF INVENTION: HUMAN ENA/VASP-LIKE PROTEIN

; NUMBER OF SEQUENCES: 4

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Incyte Pharmaceuticals, Inc.

; STREET: 3174 Porter Drive

; CITY: Palo Alto

; STATE: CA

; COUNTRY: USA

; ZIP: 94304

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Diskette

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: DOS

; SOFTWARE: FastSeq for Windows Version 2.0

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/026,587

; FILING DATE: Filed Herewith

; CLASSIFICATION:

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER:

; FILING DATE:

; ATTORNEY/AGENT INFORMATION:

; NAME: Billings, Lucy J.

; REGISTRATION NUMBER: 36,749

; REFERENCE/DOCKET NUMBER: PF-0471 US

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 650-855-0555

; TELEFAX: 650-845-4166

; TELEX:

; INFORMATION FOR SEQ ID NO: 3:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 393 amino acids

; TYPE: amino acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; IMMEDIATE SOURCE:

; LIBRARY: GenBank

; CLONE: 1644453

US-09-026-587-3

Query Match 1.2%; Score 8; DB 2; Length 393;

Best Local Similarity 100.0%; Pred. No. 17;

Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 220 STSPSPGT 227

Db 300 STSPSPGT 307

RESULT 12

US-09-227-420-3

; Sequence 3, Application US/09227420

; Patent No. 5990087

; GENERAL INFORMATION:

; APPLICANT: Lal, Preeti

; APPLICANT: Guegler, Karl J.

; APPLICANT: Corley, Neil C.

; TITLE OF INVENTION: HUMAN ENA/VASP-LIKE PROTEIN

; NUMBER OF SEQUENCES: 4

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Incyte Pharmaceuticals, Inc.

; STREET: 3174 Porter Drive

; CITY: Palo Alto

; STATE: CA

; COUNTRY: USA

; ZIP: 94304

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Diskette

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: DOS

; SOFTWARE: FastSeq for Windows Version 2.0

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/227,420

; FILING DATE:

; CLASSIFICATION:

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 09/026,587

; FILING DATE:

; ATTORNEY/AGENT INFORMATION:

; NAME: Billings, Lucy J.

; REGISTRATION NUMBER: 36,749

; REFERENCE/DOCKET NUMBER: PF-0471 US

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 650-855-0555

; TELEFAX: 650-845-4166

; TELEX:

; INFORMATION FOR SEQ ID NO: 3:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 393 amino acids

; TYPE: amino acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; IMMEDIATE SOURCE:

; LIBRARY: GenBank

; CLONE: 1644453

US-09-227-420-3

Query Match 1.2%; Score 8; DB 2; Length 393;

Best Local Similarity 100.0%; Pred. No. 17;

Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 220 STSPSPGT 227

Db 300 STSPSPGT 307

RESULT 13

US-09-026-587-1

; Sequence 1, Application US/09026587

; Patent No. 5912128

; GENERAL INFORMATION:

; APPLICANT: Lal, Preeti

; APPLICANT: Guegler, Karl J.

; APPLICANT: Corley, Neil C.

; TITLE OF INVENTION: HUMAN ENA/VASP-LIKE PROTEIN

; NUMBER OF SEQUENCES: 4

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Incyte Pharmaceuticals, Inc.

; STREET: 3174 Porter Drive

; CITY: Palo Alto

; STATE: CA

; COUNTRY: USA

; ZIP: 94304

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Diskette

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: DOS

;; SOFTWARE: FastSEQ for Windows Version 2.0
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/09/026,587
;; FILING DATE: Filed Herewith
;; CLASSIFICATION:
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER:
;; FILING DATE:
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Billings, Lucy J.
;; REGISTRATION NUMBER: 36,749
;; REFERENCE/DOCKET NUMBER: PF-0471 US
;; TELEPHONE: 650-855-0555
;; TELEFAX: 650-845-4166
;; TELEX:
;; INFORMATION FOR SEQ ID NO: 1:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 418 amino acids
;; TYPE: amino acid
;; STRANDEDNESS: single
;; IMMEDIATE SOURCE:
;; LIBRARY: HEAONOT03
;; CLONE: 3089412
US-09-026-587-1

Query Match 1.2%; Score 8; DB 2; Length 418;
Best Local Similarity 100.0%; Pred. No. 18;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 220 STSPSPGT 227
DB 304 STSPSPGT 311

RESULT 14
US-09-227-420-1
; Sequence 1, Application US/09227420
; Patent No. 5990087
; GENERAL INFORMATION:
; APPLICANT: Lal, Preeti
; APPLICANT: Guegler, Karl J.
; APPLICANT: Corley, Neil C.
; TITLE OF INVENTION: HUMAN ENA/VASP-LIKE PROTEIN
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/227,420
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/026,587
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0471 US
; TELEPHONE: 650-855-0555
; TELEFAX: 650-845-4166
; TELEX:

;; INFORMATION FOR SEQ ID NO: 1:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 418 amino acids
;; TYPE: amino acid
;; STRANDEDNESS: single
;; IMMEDIATE SOURCE:
;; LIBRARY: HEAONOT03
;; CLONE: 3089412
US-09-227-420-1

Query Match 1.2%; Score 8; DB 2; Length 418;
Best Local Similarity 100.0%; Pred. No. 18;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 220 STSPSPGT 227
DB 304 STSPSPGT 311

RESULT 15
US-08-436-044-6
; Sequence 6, Application US/08436044
; Patent No. 5624899
; GENERAL INFORMATION:
; APPLICANT: Bennett, Brian D.
; APPLICANT: Matthews, William
; TITLE OF INVENTION: HTK LIGAND
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080

; COMPUTER READABLE FORM:
; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: patin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/436,044
; FILING DATE: 05-MAY-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/277722
; FILING DATE: 20-JUL-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Lee, Wendy M.
; REGISTRATION NUMBER: 00,000
; REFERENCE/DOCKET NUMBER: 902D3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-1994
; TELEFAX: 415/952-9881
; TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 987 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
US-08-436-044-6

Query Match 1.2%; Score 8; DB 1; Length 987;
Best Local Similarity 100.0%; Pred. No. 40;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 360 LVLVVIV 367
DB 551 LVLVVIV 558

Search completed: June 5, 2003, 14:20:30

Job time : 18 secs

[illegible]

;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085700
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085689
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085579
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085580
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085573
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085704
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085697

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Best Local Similarity 100.0%; Pred. No. 0;
Matches 655; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 MGTSPSSSTALSCSRIARRATATMIAGSLLLGLFLSTTTAQPEQKASNLIGTYRHVDRA 60
QY 61 TGOVLTCDCPCAGTYVSEHCTNTSLRVCSCPVGTTRHENGIEKCHDCSQPCPWPWIEK 120
Db 61 TGOVLTCDCPCAGTYVSEHCTNTSLRVCSCPVGTTRHENGIEKCHDCSQPCPWPWIEK 120
QY 121 LPCAALTIRECTCPPGMFQSNATCAPHTVCPVGWGVKKGTTEDVRCQKARGTSDVP 180
Db 121 LPCAALTIRECTCPPGMFQSNATCAPHTVCPVGWGVKKGTTEDVRCQKARGTSDVP 180
QY 181 SSVKMKAYTDCLSQNLVVKPGTKETDNVCGTLPFSFSSSTSPSPGTAIFPRPEHMETHE 240
Db 181 SSVKMKAYTDCLSQNLVVKPGTKETDNVCGTLPFSFSSSTSPSPGTAIFPRPEHMETHE 240
QY 241 VPSSTYVPGMNSTESNSASVPRPKVLSSIQEGTVPDNTSSARGKEDVKNKTLPLNQVNH 300
Db 241 VPSSTYVPGMNSTESNSASVPRPKVLSSIQEGTVPDNTSSARGKEDVKNKTLPLNQVNH 300
QY 301 QCGPHRHILKLLPSMEATGGEKSSPIKPKRGHPRQNLHKHFDINEHLPWMIVLFLLL 360
Db 301 QCGPHRHILKLLPSMEATGGEKSSPIKPKRGHPRQNLHKHFDINEHLPWMIVLFLLL 360
QY 361 VLWVIVVCSIRKSSRTLKKGPRQDPSAIVEKAGLKKSMPTQNRKWIYYCNGHGIDILK 420
Db 361 VLWVIVVCSIRKSSRTLKKGPRQDPSAIVEKAGLKKSMPTQNRKWIYYCNGHGIDILK 420
QY 421 LVAAQVGSQWKDIYQFLCNASEREVAAFNGYTTADHERAYAAALQHWITIRGPEASLAQLIS 480
Db 421 LVAAQVGSQWKDIYQFLCNASEREVAAFNGYTTADHERAYAAALQHWITIRGPEASLAQLIS 480
QY 481 ALROHRRNDVVEKIRGLMEDTTQLETDKALPMSPLSPSPSPSPNAKLENSALLTVEP 540
Db 481 ALROHRRNDVVEKIRGLMEDTTQLETDKALPMSPLSPSPSPSPNAKLENSALLTVEP 540
QY 541 SPQDNKGFVDESEPLLRCDSTSSGSSALSRSNGSFITKEKDTVLQVRLDPCDLQPIF 600
Db 541 SPQDNKGFVDESEPLLRCDSTSSGSSALSRSNGSFITKEKDTVLQVRLDPCDLQPIF 600
QY 601 DMLHFLNPEELRVIEIQAEDKDLRLFEIIGVKSOEASQTLDSVYSHLPOLL 655
Db 601 DMLHFLNPEELRVIEIQAEDKDLRLFEIIGVKSOEASQTLDSVYSHLPOLL 655

RESULT 2
US-09-756-854-2
; Sequence 2, Application US/09756854
; Patent No. US20020164684A1
; GENERAL INFORMATION:
; APPLICANT: Ni, Jian
; Yu, Guo-Liang
; Fan, Ping
; Gentz, Reiner

;; TITLE OF INVENTION: Human Tumor Necrosis Factor Receptor TR9
;; NUMBER OF SEQUENCES: 26
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Human Genome Sciences, Inc.
;; STREET: 9410 Key West Avenue
;; CITY: Rockville
;; STATE: MD
;; COUNTRY: US
;; ZIP: 20850
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: PatentIn Release #1.0, Version #1.30
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/09/756,854
;; FILING DATE: 10-Jan-2001
;; CLASSIFICATION: <Unknown>
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 09/095,094
;; FILING DATE: <Unknown>
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Hoover, Kenley K.
;; REGISTRATION NUMBER: 40,302
;; REFERENCE/DOCKET NUMBER: PF375
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 301-309-8504
;; TELEFAX: 301-309-8439
;; INFORMATION FOR SEQ ID NO: 2:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 655 amino acids
;; TYPE: amino acid
;; TOPOLOGY: linear
;; MOLECULE TYPE: protein
;; SEQUENCE DESCRIPTION: SEQ ID NO: 2:
;; US-09-756-854-2

Query Match 100.0%; Score 655; DB 9; Length 655;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 655; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 MGTSPSSSTALSCSRIARRATATMIAGSLLLGLFLSTTTAQPEQKASNLIGTYRHVDRA 60
QY 61 TGOVLTCDCPCAGTYVSEHCTNTSLRVCSCPVGTTRHENGIEKCHDCSQPCPWPWIEK 120
Db 61 TGOVLTCDCPCAGTYVSEHCTNTSLRVCSCPVGTTRHENGIEKCHDCSQPCPWPWIEK 120
QY 121 LPCAALTIRECTCPPGMFQSNATCAPHTVCPVGWGVKKGTTEDVRCQKARGTSDVP 180
Db 121 LPCAALTIRECTCPPGMFQSNATCAPHTVCPVGWGVKKGTTEDVRCQKARGTSDVP 180
QY 181 SSVKMKAYTDCLSQNLVVKPGTKETDNVCGTLPFSFSSSTSPSPGTAIFPRPEHMETHE 240
Db 181 SSVKMKAYTDCLSQNLVVKPGTKETDNVCGTLPFSFSSSTSPSPGTAIFPRPEHMETHE 240
QY 241 VPSSTYVPGMNSTESNSASVPRPKVLSSIQEGTVPDNTSSARGKEDVKNKTLPLNQVNH 300
Db 241 VPSSTYVPGMNSTESNSASVPRPKVLSSIQEGTVPDNTSSARGKEDVKNKTLPLNQVNH 300
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Db 301 QCGPHRHILKLLPSMEATGGEKSSPIKPKRGHPRQNLHKHFDINEHLPWMIVLFLLL 360
QY 361 VLWVIVVCSIRKSSRTLKKGPRQDPSAIVEKAGLKKSMPTQNRKWIYYCNGHGIDILK 420
Db 361 VLWVIVVCSIRKSSRTLKKGPRQDPSAIVEKAGLKKSMPTQNRKWIYYCNGHGIDILK 420
QY 421 LVAAQVGSQWKDIYQFLCNASEREVAAFNGYTTADHERAYAAALQHWITIRGPEASLAQLIS 480
Db 421 LVAAQVGSQWKDIYQFLCNASEREVAAFNGYTTADHERAYAAALQHWITIRGPEASLAQLIS 480

OY 481 ALRQHRNDVVEKIRGLMDDTQLETKLALPMSPLSPSPSPNAKLENSALLTVEP 540
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Db 481 ALRQHRNDVVEKIRGLMDDTQLETKLALPMSPLSPSPSPNAKLENSALLTVEP 540
|||||
OY 541 SPQDKNGFVDESEPLLRCDSTSSGSSALSRRNGSITTEKKDTVLQRVRLDPCDLQPIF 600
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Db 541 SPQDKNGFVDESEPLLRCDSTSSGSSALSRRNGSITTEKKDTVLQRVRLDPCDLQPIF 600
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OY 601 DDMHLFNLPELRAVIEIQAEDKDLRLFEIIGVKSOEASOTLLDSVYSHLPDLL 655
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Db 601 DDMHLFNLPELRAVIEIQAEDKDLRLFEIIGVKSOEASOTLLDSVYSHLPDLL 655
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RESULT 3

US-09-978-697-64
; Sequence 64, Application US/09978697
; Patent No. US20020169284A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Deenoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gottard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630PIC27
; CURRENT APPLICATION NUMBER: US/09/978,697
; CURRENT FILING DATE: 2001-10-16
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/064249
; PRIOR FILING DATE: 1997-11-03
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066364
; PRIOR FILING DATE: 1997-11-21
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; PRIOR APPLICATION NUMBER: 60/077649
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; PRIOR APPLICATION NUMBER: 60/078004
; PRIOR FILING DATE: 1998-03-13
; PRIOR APPLICATION NUMBER: 60/078886

; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/078936
; PRIOR FILING DATE: 1998-03-20
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; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/078939
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; PRIOR FILING DATE: 1998-04-21
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; PRIOR FILING DATE: 1998-04-21
; PRIOR APPLICATION NUMBER: 60/082704
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/082804
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/082700
; PRIOR FILING DATE: 1998-04-22

; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-041-574-2

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Best Local Similarity 100.0%; Pred. No. 0;
Matches 655; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 61 TGOVLTCDCPCAGTYVSEHCTNLSRVCSGPGVTFTRHENGIEKCHDCSQCPWPMEIK 120
   |||||||
Db 61 TGOVLTCDCPCAGTYVSEHCTNLSRVCSGPGVTFTRHENGIEKCHDCSQCPWPMEIK 120
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QY 121 LPCAALTDBRECTCPGPMFOSNATCAPHTVCPGVGWYRKKGTTEDVRCQCARGFSDVP 180
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Db 121 LPCAALTDBRECTCPGPMFOSNATCAPHTVCPGVGWYRKKGTTEDVRCQCARGFSDVP 180
   |||||||

QY 181 SSVMKCKAYTDCLSQNLVVIKPGTKETDNVCGTLPFSFSSTSPSGTAIFPRPEHMETHE 240
   |||||||
Db 181 SSVMKCKAYTDCLSQNLVVIKPGTKETDNVCGTLPFSFSSTSPSGTAIFPRPEHMETHE 240
   |||||||

QY 241 VPSSTVYPKGMNSTESNSASVRPKVLSSIQEGTVPDNTSSARGKEDVNKTLNQLQVNH 300
   |||||||
Db 241 VPSSTVYPKGMNSTESNSASVRPKVLSSIQEGTVPDNTSSARGKEDVNKTLNQLQVNH 300
   |||||||

QY 301 QGPHRHRLKLLPSMEANGGKSSPTIKGPKRGHPQNLKHFHFDINEHLPWMVILFLL 360
   |||||||
Db 301 QGPHRHRLKLLPSMEANGGKSSPTIKGPKRGHPQNLKHFHFDINEHLPWMVILFLL 360
   |||||||

QY 361 VLVIIVVCSIRKSSRTLKKGPRQDPSAIVEKAGLAKKSMPTQNRKWIYVCNGHGDILK 420
   |||||||
Db 361 VLVIIVVCSIRKSSRTLKKGPRQDPSAIVEKAGLAKKSMPTQNRKWIYVCNGHGDILK 420
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QY 421 LVAAQVGSQWKDIYQFLCNASREVAAFNNGYTADHERAYALQHWTTIRGPEASLAQLIS 480
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QY 481 ALROHRRNDVVEKIRGLMEDTTOLETDKLALPMSPLSPSPSPSPNKLNSALLTVEP 540
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Db 481 ALROHRRNDVVEKIRGLMEDTTOLETDKLALPMSPLSPSPSPSPNKLNSALLTVEP 540
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QY 541 SPQDNKNGFFVDESEPLLRCDSTSSGSSALSRRNGSFITREKKTDLVLRQVRLDPCDLQPIF 600
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Db 541 SPQDNKNGFFVDESEPLLRCDSTSSGSSALSRRNGSFITREKKTDLVLRQVRLDPCDLQPIF 600
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QY 601 DMLHPLNPEELRVIEEIPQAEKDLRLFEIIGVKSQEASQTLDSVYSHLPDLL 655
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Db 601 DMLHPLNPEELRVIEEIPQAEKDLRLFEIIGVKSQEASQTLDSVYSHLPDLL 655
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RESULT 5
US-09-978-192A-64
; Sequence 64, Application US/09978192A
; Patent No. US20020177553A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Grøtttsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.

```
; APPLICANT: Hillan, Kenneth J.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Kuo, Sophia S.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James;  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Shelton, David L.  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; FILE OF INVENTION: Acids Encoding the Same  
; FILE REFERENCE: P2630PIC9  
; CURRENT APPLICATION NUMBER: US/09/978,192A  
; CURRENT FILING DATE: 2001-10-15  
; PRIOR APPLICATION NUMBER: 09/918585  
; PRIOR FILING DATE: 2001-07-30  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/064249  
; PRIOR FILING DATE: 1997-11-03  
; PRIOR APPLICATION NUMBER: 60/065311  
; PRIOR FILING DATE: 1997-11-13  
; PRIOR APPLICATION NUMBER: 60/066364  
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; PRIOR APPLICATION NUMBER: 60/077450  
; PRIOR FILING DATE: 1998-03-10  
; PRIOR APPLICATION NUMBER: 60/077632  
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; PRIOR FILING DATE: 1998-03-31
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;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085697

Query Match 100.0%; Score 655; DB 9; Length 655;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 655; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MCTSPSSSTALASCSRIARRATATMIAGSLLLGLFSLTTTAOPEQKASNLIGTYRHVDRA 60
Db 1 MCTSPSSSTALASCSRIARRATATMIAGSLLLGLFSLTTTAOPEQKASNLIGTYRHVDRA 60
QY 61 TGOVLTCDCPCAGTYVSEHCTNTSLRVCSSCPVGTETREHNGIEKCHDCSQPCPWPMEIK 120
Db 61 TGOVLTCDCPCAGTYVSEHCTNTSLRVCSSCPVGTETREHNGIEKCHDCSQPCPWPMEIK 120
QY 121 LPCAALTRECTCPGCMFQSNATCAPHTVCPVGWGYRKKGTETEDVRCQCARGTFSQV 180
Db 121 LPCAALTRECTCPGCMFQSNATCAPHTVCPVGWGYRKKGTETEDVRCQCARGTFSQV 180
QY 181 SSVMKCKAYTDCLSQNLVVKPCTKTDNVCGTLPFSFSSSTSPSGCTAIFPRPEHMETHE 240
Db 181 SSVMKCKAYTDCLSQNLVVKPCTKTDNVCGTLPFSFSSSTSPSGCTAIFPRPEHMETHE 240
QY 241 VPSSTYVPGMNSTESNSASVPRPKVLSIOEGTVPDNTSSARGKEDVKNKTLPLNQVNH 300
Db 241 VPSSTYVPGMNSTESNSASVPRPKVLSIOEGTVPDNTSSARGKEDVKNKTLPLNQVNH 300
QY 301 QOGPHRHILKLLPSMEATGGEKSTPIKPKRGHPRQNLHKHFDINEHLPMWIVLFLLL 360
Db 301 QOGPHRHILKLLPSMEATGGEKSTPIKPKRGHPRQNLHKHFDINEHLPMWIVLFLLL 360
QY 361 VLWVIWVCSIRKSSRTLKKGRQDPSAIVEKAGLKKSMPTQNRKWIYYCNGHGIDILK 420
Db 361 VLWVIWVCSIRKSSRTLKKGRQDPSAIVEKAGLKKSMPTQNRKWIYYCNGHGIDILK 420
QY 421 LVAAQVGSOWKDIYQFLCNASEREVAAFNGYTADHERAYAAALQHTTIRGPEASLAQLIS 480
Db 421 LVAAQVGSOWKDIYQFLCNASEREVAAFNGYTADHERAYAAALQHTTIRGPEASLAQLIS 480

APPLICANT: Shelton, David L.	PRIOR FILING DATE: 1998-04-01
APPLICANT: Stewart, Timothy A.	PRIOR APPLICATION NUMBER: 60/081070
APPLICANT: Tumas, Daniel	PRIOR FILING DATE: 1998-04-08
APPLICANT: Williams, P. Mickey	PRIOR APPLICATION NUMBER: 60/081049
APPLICANT: Wood, William I.	PRIOR FILING DATE: 1998-04-08
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic	PRIOR APPLICATION NUMBER: 60/081071
TITLE OF INVENTION: Acids Encoding the Same	PRIOR FILING DATE: 1998-04-08
FILE REFERENCE: P2630P1C7	PRIOR APPLICATION NUMBER: 60/081195
CURRENT APPLICATION NUMBER: US/09/978,189	PRIOR FILING DATE: 1998-04-08
CURRENT FILING DATE: 2001-10-15	PRIOR APPLICATION NUMBER: 60/081203
PRIOR APPLICATION NUMBER: 09/918585	PRIOR FILING DATE: 1998-04-09
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;; PRIORITY APPLICATION NUMBER: 60/085697

Query Match 100.0%; Score 655; DB 9; Length 655;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 655; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGTSPSSSALASCRIARRATATMTAGSLLLLGLFSTTTAQPEQKASNLIGTYRHVDRA 60
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DB 61 TGOVLTCDCPCAGTYVSEHCTNTSLRVCSSCPVGTTRHENGIEKCHDCSQPCWPWMIK 120
QY 121 LPCAALTDRECTPPGCMFQSNATCAPHTVCPVGMGVRKKGTETEDYRCKQCARGTESDVP 180
DB 121 LPCAALTDRECTPPGCMFQSNATCAPHTVCPVGMGVRKKGTETEDYRCKQCARGTESDVP 180
QY 181 SSMKCKAYTDCLSQNLVWKPGTKETDNVCGTLPFSFSSSTSPSGTAFPRPEHMETHE 240
DB 181 SSMKCKAYTDCLSQNLVWKPGTKETDNVCGTLPFSFSSSTSPSGTAFPRPEHMETHE 240
QY 241 VPSSTVYVPGMNSTESNSASVRPKVLSSTIOEGTVPDNTSSARGKEDVNKTLPLNLOVNH 300
DB 241 VPSSTVYVPGMNSTESNSASVRPKVLSSTIOEGTVPDNTSSARGKEDVNKTLPLNLOVNH 300
QY 301 QQGPHRHILKLLPSMEATGGEKSSSTPIKPKRGHPRQNLHKHFDINEHLPWMLVFLLL 360
DB 301 QQGPHRHILKLLPSMEATGGEKSSSTPIKPKRGHPRQNLHKHFDINEHLPWMLVFLLL 360
QY 361 VLWVIVVCSIRKSSRLKKGPRODPSAIVEKAGLKKSWPTQNRKWIYCNCHGIDILK 420
DB 361 VLWVIVVCSIRKSSRLKKGPRODPSAIVEKAGLKKSWPTQNRKWIYCNCHGIDILK 420
QY 421 LVAQVGSQWKDIYQFLCNASEREVAAFNGYTADHERAYAAALQHTTIRGPEASLAQLIS 480
DB 421 LVAQVGSQWKDIYQFLCNASEREVAAFNGYTADHERAYAAALQHTTIRGPEASLAQLIS 480
QY 481 ALRQHRNDVVEKIRGLMEDTTOLETDKALPMSPLSPSPSPNAKLENSALLTVEP 540
DB 481 ALRQHRNDVVEKIRGLMEDTTOLETDKALPMSPLSPSPSPNAKLENSALLTVEP 540
QY 541 SPQDNKNGFFVDESEPLLRCDSTSSGSSALSRNGSFITKEKDKTVLRQVRLDPCDLQPIF 600
DB 541 SPQDNKNGFFVDESEPLLRCDSTSSGSSALSRNGSFITKEKDKTVLRQVRLDPCDLQPIF 600

QY 601 DDMHLFNPPEELRVIEEIPQAEKLDRLFEIIGVKSQEASQTLDSVYSHLPDLL 655
DB 601 DDMHLFNPPEELRVIEEIPQAEKLDRLFEIIGVKSQEASQTLDSVYSHLPDLL 655

RESULT 8

US-10-174-590-418
; Sequence 418, Application US/10174590
; Publication No. US20030008352A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC42
; CURRENT APPLICATION NUMBER: US/10/174,590
; CURRENT FILING DATE: 2002-06-18
; Prior application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 418
; LENGTH: 655
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-174-590-418

Query Match 100.0%; Score 655; DB 9; Length 655;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 655; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 121 LPCAALTDRECTPPGCMFQSNATCAPHTVCPVGMGVRKKGTETEDYRCKQCARGTESDVP 180
DB 121 LPCAALTDRECTPPGCMFQSNATCAPHTVCPVGMGVRKKGTETEDYRCKQCARGTESDVP 180
QY 181 SSMKCKAYTDCLSQNLVWKPGTKETDNVCGTLPFSFSSSTSPSGTAFPRPEHMETHE 240
DB 181 SSMKCKAYTDCLSQNLVWKPGTKETDNVCGTLPFSFSSSTSPSGTAFPRPEHMETHE 240
QY 241 VPSSTVYVPGMNSTESNSASVRPKVLSSTIOEGTVPDNTSSARGKEDVNKTLPLNLOVNH 300
DB 241 VPSSTVYVPGMNSTESNSASVRPKVLSSTIOEGTVPDNTSSARGKEDVNKTLPLNLOVNH 300
QY 301 QQGPHRHILKLLPSMEATGGEKSSSTPIKPKRGHPRQNLHKHFDINEHLPWMLVFLLL 360
DB 301 QQGPHRHILKLLPSMEATGGEKSSSTPIKPKRGHPRQNLHKHFDINEHLPWMLVFLLL 360
QY 361 VLWVIVVCSIRKSSRLKKGPRODPSAIVEKAGLKKSWPTQNRKWIYCNCHGIDILK 420
DB 361 VLWVIVVCSIRKSSRLKKGPRODPSAIVEKAGLKKSWPTQNRKWIYCNCHGIDILK 420
QY 421 LVAQVGSQWKDIYQFLCNASEREVAAFNGYTADHERAYAAALQHTTIRGPEASLAQLIS 480
DB 421 LVAQVGSQWKDIYQFLCNASEREVAAFNGYTADHERAYAAALQHTTIRGPEASLAQLIS 480
QY 481 ALRQHRNDVVEKIRGLMEDTTOLETDKALPMSPLSPSPSPNAKLENSALLTVEP 540

Db 181 SSMCKKAYTDCSLQNLVVKPGTETDNVCTLPFSFSSSTSPSPGTATFPPPEHMETHE 240
QY 241 VPSSTYVPGKMNSTESNSASVRPKVLSIQEGTVPDNTSSARGEDVKNKTLNQLQVNH 300
Db 241 VPSSTYVPGKMNSTESNSASVRPKVLSIQEGTVPDNTSSARGEDVKNKTLNQLQVNH 300
QY 301 QOGPHRHHLTKLLPSMEATGGEKSTPIKGRGHPQRNLHKHFDINEHLPWMIVLFLLL 360
Db 301 QOGPHRHHLTKLLPSMEATGGEKSTPIKGRGHPQRNLHKHFDINEHLPWMIVLFLLL 360
QY 361 VLWVIVVCSIRKSSRTLKKGPRQDPSAIVEKAGLKKSTPTONREKWIYYCNGHGDILK 420
Db 361 VLWVIVVCSIRKSSRTLKKGPRQDPSAIVEKAGLKKSTPTONREKWIYYCNGHGDILK 420
QY 421 LVAAQVGSQWKDIYQFLCNASREVAAFNGYTADHERAYAAALQHWIRGPEASLAQLIS 480
Db 421 LVAAQVGSQWKDIYQFLCNASREVAAFNGYTADHERAYAAALQHWIRGPEASLAQLIS 480
QY 481 ALRQHRNDVVEKIRGLMEDTTQLETDKLALPMSPLSPSPSPNKLNSALLTVEP 540
Db 481 ALRQHRNDVVEKIRGLMEDTTQLETDKLALPMSPLSPSPSPNKLNSALLTVEP 540
QY 541 SPQDNKNGFFVDESEPLLRCDSTSSGSSALSRSNGSFTITKEKDTVLRQVRLDPCDLOPIF 600
Db 541 SPQDNKNGFFVDESEPLLRCDSTSSGSSALSRSNGSFTITKEKDTVLRQVRLDPCDLOPIF 600
QY 601 DDLHLFNLPEELRVIEEIPQAEKDLRLFEIIGVKSQASQTLDSVYSHLPDLL 655
Db 601 DDLHLFNLPEELRVIEEIPQAEKDLRLFEIIGVKSQASQTLDSVYSHLPDLL 655

RESULT 13

US-10-175-752-418
; Sequence 418, Application US/10175752
; Publication No. US2003002295A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P34301C60
; CURRENT APPLICATION NUMBER: US/10/175,752
; CURRENT FILING DATE: 2002-06-19
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 418
; LENGTH: 655
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-175-752-418

Query Match 100.0%; Score 655; DB 9; Length 655;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 655; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MCTSPSSSTALASCRIARRATATMTAGSLLLGLFSTTTAQAPEKASNLICTYRHVDRA 60
Db 1 MCTSPSSSTALASCRIARRATATMTAGSLLLGLFSTTTAQAPEKASNLICTYRHVDRA 60
QY 61 TGOVLTCDCPAGTVSECHTNTSLRVCSQCPVGTFRHENGIEKCHDCSQCPWPMBK 120
Db 61 TGOVLTCDCPAGTVSECHTNTSLRVCSQCPVGTFRHENGIEKCHDCSQCPWPMBK 120
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Db 121 LPCAALTIRECTCPGFMFQSNATCAPHTVCPVGWGVKGTETEDVRCKQCARGTFSVP 180
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Db 181 SSMCKKAYTDCSLQNLVVKPGTETDNVCTLPFSFSSSTSPSPGTATFPPPEHMETHE 240
QY 241 VPSSTYVPGKMNSTESNSASVRPKVLSIQEGTVPDNTSSARGEDVKNKTLNQLQVNH 300
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QY 301 QOGPHRHHLTKLLPSMEATGGEKSTPIKGRGHPQRNLHKHFDINEHLPWMIVLFLLL 360
Db 301 QOGPHRHHLTKLLPSMEATGGEKSTPIKGRGHPQRNLHKHFDINEHLPWMIVLFLLL 360
QY 361 VLWVIVVCSIRKSSRTLKKGPRQDPSAIVEKAGLKKSTPTONREKWIYYCNGHGDILK 420
Db 361 VLWVIVVCSIRKSSRTLKKGPRQDPSAIVEKAGLKKSTPTONREKWIYYCNGHGDILK 420
QY 421 LVAAQVGSQWKDIYQFLCNASREVAAFNGYTADHERAYAAALQHWIRGPEASLAQLIS 480
Db 421 LVAAQVGSQWKDIYQFLCNASREVAAFNGYTADHERAYAAALQHWIRGPEASLAQLIS 480
QY 481 ALRQHRNDVVEKIRGLMEDTTQLETDKLALPMSPLSPSPSPNKLNSALLTVEP 540
Db 481 ALRQHRNDVVEKIRGLMEDTTQLETDKLALPMSPLSPSPSPNKLNSALLTVEP 540
QY 541 SPQDNKNGFFVDESEPLLRCDSTSSGSSALSRSNGSFTITKEKDTVLRQVRLDPCDLOPIF 600
Db 541 SPQDNKNGFFVDESEPLLRCDSTSSGSSALSRSNGSFTITKEKDTVLRQVRLDPCDLOPIF 600
QY 601 DDLHLFNLPEELRVIEEIPQAEKDLRLFEIIGVKSQASQTLDSVYSHLPDLL 655
Db 601 DDLHLFNLPEELRVIEEIPQAEKDLRLFEIIGVKSQASQTLDSVYSHLPDLL 655

RESULT 14

US-10-176-482-418
; Sequence 418, Application US/10176482
; Publication No. US2003002296A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P34301C70
; CURRENT APPLICATION NUMBER: US/10/176,482
; CURRENT FILING DATE: 2002-06-20
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 418
; LENGTH: 655
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-482-418

Query Match 100.0%; Score 655; DB 9; Length 655;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 655; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MCTSPSSSTALASCRIARRATATMTAGSLLLGLFSTTTAQAPEKASNLICTYRHVDRA 60
Db 1 MCTSPSSSTALASCRIARRATATMTAGSLLLGLFSTTTAQAPEKASNLICTYRHVDRA 60

QY 61 TQVLTCDKCPAGTVVSEHCTNTSLRVCSGPCVGTFRHENGIERKCHDCSQPCPWPMEK 120
DB 61 TQVLTCDKCPAGTVVSEHCTNTSLRVCSGPCVGTFRHENGIERKCHDCSQPCPWPMEK 120
QY 121 LPCAALTDRECTPCPGMFQSNATCAPHTVCPVGVGRKKGTTEDVRCQKQARGTFSVDP 180
DB 121 LPCAALTDRECTPCPGMFQSNATCAPHTVCPVGVGRKKGTTEDVRCQKQARGTFSVDP 180
QY 181 SSMCKKAYTDCLSQNLVVKPGTKETDNVCGTLPFSFSSSTSPSPGTAFFPPEHMETHE 240
DB 181 SSMCKKAYTDCLSQNLVVKPGTKETDNVCGTLPFSFSSSTSPSPGTAFFPPEHMETHE 240
QY 241 VPSSTYVPGMNSTESNSASVRPKVLSIQEGTVPDNTSSARGKEDVKNKTLPLNQVNH 300
DB 241 VPSSTYVPGMNSTESNSASVRPKVLSIQEGTVPDNTSSARGKEDVKNKTLPLNQVNH 300
QY 301 QOGPHRHILKLLPSMEATGGEKSTPIKPKRGHPRONLHKHFDINEHLPWMIYVLFLL 360
DB 301 QOGPHRHILKLLPSMEATGGEKSTPIKPKRGHPRONLHKHFDINEHLPWMIYVLFLL 360
QY 361 VLVWVWCSIRKSSRTLKKGPRQDPSAIVEKAGLKKSMPTQONREKWIYCNHGHGIDILK 420
DB 361 VLVWVWCSIRKSSRTLKKGPRQDPSAIVEKAGLKKSMPTQONREKWIYCNHGHGIDILK 420
QY 421 LVAAQVGSQWKDIYQFLCNASEREVAAFNGYTDADHERAYAAALQHWIRGPEASLAQLIS 480
DB 421 LVAAQVGSQWKDIYQFLCNASEREVAAFNGYTDADHERAYAAALQHWIRGPEASLAQLIS 480
QY 481 ALRQHRNDVVEKIRGLMEDTTQLETDKALPMSPLSPSPSPSPNAKLENSALLTVEP 540
DB 481 ALRQHRNDVVEKIRGLMEDTTQLETDKALPMSPLSPSPSPSPNAKLENSALLTVEP 540
QY 541 SPQDNKNGFFVDESEPLLRCDSTSSGSSALSNGSFITKEKDTVLRQVRLDPCDLQPIF 600
DB 541 SPQDNKNGFFVDESEPLLRCDSTSSGSSALSNGSFITKEKDTVLRQVRLDPCDLQPIF 600
QY 601 DDLHFLNPEELRVIEEIPQAEKDLRLFEIIGVKSQEQASQTLSDSVYSHLPDLL 655
DB 601 DDLHFLNPEELRVIEEIPQAEKDLRLFEIIGVKSQEQASQTLSDSVYSHLPDLL 655

RESULT 15

US-10-176-757-418
; Sequence 418, Application US/10176757
; Publication No. US2003002297A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC86
; CURRENT APPLICATION NUMBER: US/10/176,757
; PRIOR APPLICATION REMOVED - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 418
; LENGTH: 655
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-757-418

Query Match 100.0%; Score 655; DB 9; Length 655;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 655; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 MGTSPSSSTALASCRIARRATATMIAGSLLLGLFSTTTAOPKASNLIGTYRHVDRA 60
QY 61 TQVLTCDKCPAGTVVSEHCTNTSLRVCSGPCVGTFRHENGIERKCHDCSQPCPWPMEK 120
DB 61 TQVLTCDKCPAGTVVSEHCTNTSLRVCSGPCVGTFRHENGIERKCHDCSQPCPWPMEK 120
QY 121 LPCAALTDRECTPCPGMFQSNATCAPHTVCPVGVGRKKGTTEDVRCQKQARGTFSVDP 180
DB 121 LPCAALTDRECTPCPGMFQSNATCAPHTVCPVGVGRKKGTTEDVRCQKQARGTFSVDP 180
QY 181 SSMCKKAYTDCLSQNLVVKPGTKETDNVCGTLPFSFSSSTSPSPGTAFFPPEHMETHE 240
DB 181 SSMCKKAYTDCLSQNLVVKPGTKETDNVCGTLPFSFSSSTSPSPGTAFFPPEHMETHE 240
QY 241 VPSSTYVPGMNSTESNSASVRPKVLSIQEGTVPDNTSSARGKEDVKNKTLPLNQVNH 300
DB 241 VPSSTYVPGMNSTESNSASVRPKVLSIQEGTVPDNTSSARGKEDVKNKTLPLNQVNH 300
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DB 301 QOGPHRHILKLLPSMEATGGEKSTPIKPKRGHPRONLHKHFDINEHLPWMIYVLFLL 360
QY 361 VLVWVWCSIRKSSRTLKKGPRQDPSAIVEKAGLKKSMPTQONREKWIYCNHGHGIDILK 420
DB 361 VLVWVWCSIRKSSRTLKKGPRQDPSAIVEKAGLKKSMPTQONREKWIYCNHGHGIDILK 420
QY 421 LVAAQVGSQWKDIYQFLCNASEREVAAFNGYTDADHERAYAAALQHWIRGPEASLAQLIS 480
DB 421 LVAAQVGSQWKDIYQFLCNASEREVAAFNGYTDADHERAYAAALQHWIRGPEASLAQLIS 480
QY 481 ALRQHRNDVVEKIRGLMEDTTQLETDKALPMSPLSPSPSPSPNAKLENSALLTVEP 540
DB 481 ALRQHRNDVVEKIRGLMEDTTQLETDKALPMSPLSPSPSPSPNAKLENSALLTVEP 540
QY 541 SPQDNKNGFFVDESEPLLRCDSTSSGSSALSNGSFITKEKDTVLRQVRLDPCDLQPIF 600
DB 541 SPQDNKNGFFVDESEPLLRCDSTSSGSSALSNGSFITKEKDTVLRQVRLDPCDLQPIF 600
QY 601 DDLHFLNPEELRVIEEIPQAEKDLRLFEIIGVKSQEQASQTLSDSVYSHLPDLL 655
DB 601 DDLHFLNPEELRVIEEIPQAEKDLRLFEIIGVKSQEQASQTLSDSVYSHLPDLL 655

Search completed: June 5, 2003, 14:24:32
Job time : 27 secs

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?	PRIOR FILING DATE: 1998-04-15	?
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?	PRIOR FILING DATE: 1998-05-07	?
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?	PRIOR FILING DATE: 1998-05-13	?
?	PRIOR APPLICATION NUMBER: 60/085582	?

;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085700
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085689
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085579
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085580
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085573
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085704
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085697

Query Match 100.0%; Score 3456; DB 9; Length 655;

Best Local Similarity 100.0%; Pred. No. 2.3e-235; Mismatches 0; Indels 0; Gaps 0;

Matches 655; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGTSPSSSTALASCRIARRATATMIAGSLLLGLFSTTTAQPEQKASNLIGTYRHVDRA 60
DB 1 MGTSPSSSTALASCRIARRATATMIAGSLLLGLFSTTTAQPEQKASNLIGTYRHVDRA 60

QY 61 TGOVLTCDKCPAGTYVSEHCTNLSRVCSGPCVGTTRHENGIEKCHDCSQPCPWPMEK 120
DB 61 TGOVLTCDKCPAGTYVSEHCTNLSRVCSGPCVGTTRHENGIEKCHDCSQPCPWPMEK 120

QY 121 LPCAALTDRECTPCPGMFOSNATCAPHTVCPGVGVRKKGTTEDVRCQKARGTSDVP 180
DB 121 LPCAALTDRECTPCPGMFOSNATCAPHTVCPGVGVRKKGTTEDVRCQKARGTSDVP 180

QY 181 SSVKCKAYTDCLSQNLVVKPGTETDNVCGTLPFSFSSSTSPSGTALFPRPEHMETHE 240
DB 181 SSVKCKAYTDCLSQNLVVKPGTETDNVCGTLPFSFSSSTSPSGTALFPRPEHMETHE 240

QY 241 VPSSTYVPGMNSTESNSASVPRKVLSSIQEGTVPDNTSSARGKEDVKNKTLPLNQVNH 300
DB 241 VPSSTYVPGMNSTESNSASVPRKVLSSIQEGTVPDNTSSARGKEDVKNKTLPLNQVNH 300

QY 301 QCGPHRHILKLLPSMEATGGEKSTPIKGRKGRHPRQNLKHFDINEHLPWMIVLFLLL 360
DB 301 QCGPHRHILKLLPSMEATGGEKSTPIKGRKGRHPRQNLKHFDINEHLPWMIVLFLLL 360

QY 361 VLWIVVCSIRKSSRTLKKGPRQDPSAIVEKAGLKKSMPTQNRKWIYYCNGHGIDILK 420
DB 361 VLWIVVCSIRKSSRTLKKGPRQDPSAIVEKAGLKKSMPTQNRKWIYYCNGHGIDILK 420

QY 421 LVAAQVGSQWKDIYQFLCNASEREVAAFNGYTADHERAYAAALQHWITRGPEASLAQLIS 480
DB 421 LVAAQVGSQWKDIYQFLCNASEREVAAFNGYTADHERAYAAALQHWITRGPEASLAQLIS 480

QY 481 ALROHRRNDVVEKIRGLMEDTTQLETDKLALPMSPLSPSPSPNAKLENSALLTVEP 540
DB 481 ALROHRRNDVVEKIRGLMEDTTQLETDKLALPMSPLSPSPSPNAKLENSALLTVEP 540

QY 541 SPQDNKGFVDESEPLLRCDSTSSGSSALSNGSFITKEKDDTVLRQVRLDPCDLQPIF 600
DB 541 SPQDNKGFVDESEPLLRCDSTSSGSSALSNGSFITKEKDDTVLRQVRLDPCDLQPIF 600

QY 601 DMLHFLNPEELRVETEEIPOAEDKDLRLEFIIGVKSQEAQSLDLSVYSHLPDLL 655
DB 601 DMLHFLNPEELRVETEEIPOAEDKDLRLEFIIGVKSQEAQSLDLSVYSHLPDLL 655

RESULT 2

US-09-756-854-2
Sequence 2, Application US/09756854
Patent No. US20020164684A1
GENERAL INFORMATION:

APPLICANT: Ni, Jian
Yu, Guo-Liang
Fan, Ping
Gentz, Reiner

;; TITLE OF INVENTION: Human Tumor Necrosis Factor Receptor TR9
;; NUMBER OF SEQUENCES: 26
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Human Genome Sciences, Inc.
;; STREET: 9410 Key West Avenue
;; CITY: Rockville
;; STATE: MD
;; COUNTRY: US
;; ZIP: 20850
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: PatentIn Release #1.0, Version #1.30
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/09/756,854
;; FILING DATE: 10-Jan-2001
;; CLASSIFICATION: <Unknown>
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 09/095,094
;; FILING DATE: <Unknown>
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Hoover, Kenley K.
;; REGISTRATION NUMBER: 40,302
;; REFERENCE/DOCKET NUMBER: PF375
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 301-309-8504
;; TELEFAX: 301-309-8439
;; INFORMATION FOR SEQ ID NO: 2:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 655 amino acids
;; TYPE: amino acid
;; TOPOLOGY: linear
;; MOLECULE TYPE: protein
;; SEQUENCE DESCRIPTION: SEQ ID NO: 2:
;; US-09-756-854-2

Query Match 100.0%; Score 3456; DB 9; Length 655;
Best Local Similarity 100.0%; Pred. No. 2.3e-235;
Matches 655; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGTSPSSSTALASCRIARRATATMIAGSLLLGLFSTTTAQPEQKASNLIGTYRHVDRA 60
DB 1 MGTSPSSSTALASCRIARRATATMIAGSLLLGLFSTTTAQPEQKASNLIGTYRHVDRA 60

QY 61 TGOVLTCDKCPAGTYVSEHCTNLSRVCSGPCVGTTRHENGIEKCHDCSQPCPWPMEK 120
DB 61 TGOVLTCDKCPAGTYVSEHCTNLSRVCSGPCVGTTRHENGIEKCHDCSQPCPWPMEK 120

QY 121 LPCAALTDRECTPCPGMFOSNATCAPHTVCPGVGVRKKGTTEDVRCQKARGTSDVP 180
DB 121 LPCAALTDRECTPCPGMFOSNATCAPHTVCPGVGVRKKGTTEDVRCQKARGTSDVP 180

QY 181 SSVKCKAYTDCLSQNLVVKPGTETDNVCGTLPFSFSSSTSPSGTALFPRPEHMETHE 240
DB 181 SSVKCKAYTDCLSQNLVVKPGTETDNVCGTLPFSFSSSTSPSGTALFPRPEHMETHE 240

QY 241 VPSSTYVPGMNSTESNSASVPRKVLSSIQEGTVPDNTSSARGKEDVKNKTLPLNQVNH 300
DB 241 VPSSTYVPGMNSTESNSASVPRKVLSSIQEGTVPDNTSSARGKEDVKNKTLPLNQVNH 300

QY 301 QCGPHRHILKLLPSMEATGGEKSTPIKGRKGRHPRQNLKHFDINEHLPWMIVLFLLL 360
DB 301 QCGPHRHILKLLPSMEATGGEKSTPIKGRKGRHPRQNLKHFDINEHLPWMIVLFLLL 360

QY 361 VLWIVVCSIRKSSRTLKKGPRQDPSAIVEKAGLKKSMPTQNRKWIYYCNGHGIDILK 420
DB 361 VLWIVVCSIRKSSRTLKKGPRQDPSAIVEKAGLKKSMPTQNRKWIYYCNGHGIDILK 420

QY 421 LVAAQVGSQWKDIYQFLCNASEREVAAFNGYTADHERAYAAALQHWITRGPEASLAQLIS 480
DB 421 LVAAQVGSQWKDIYQFLCNASEREVAAFNGYTADHERAYAAALQHWITRGPEASLAQLIS 480

;; PRIOR APPLICATION NUMBER: 60/082797
;; PRIOR FILING DATE: 1998-04-22
;; PRIOR APPLICATION NUMBER: 60/082796
;; PRIOR FILING DATE: 1998-04-23
;; PRIOR APPLICATION NUMBER: 60/083336
;; PRIOR FILING DATE: 1998-04-27
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;; PRIOR FILING DATE: 1998-04-28
;; PRIOR APPLICATION NUMBER: 60/083392
;; PRIOR FILING DATE: 1998-04-29
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;; PRIOR APPLICATION NUMBER: 60/085697

Query Match 100.0%; Score 3456; DB 9; Length 655;
Best Local Similarity 100.0%; Pred. No. 2.3e-235;
Matches 655; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 301 QGPHRHHTILKLLPSMEATGGEKSTPIKPKRGHPRONLHKHFDINEHLPWMIVLFLLL 360
QY 361 VLWVIVVCSIRKSSRTLKKGPRODPSAIVEKAGLKKSMPTQNRKWIYCNHGHGIDILK 420
Db 361 VLWVIVVCSIRKSSRTLKKGPRODPSAIVEKAGLKKSMPTQNRKWIYCNHGHGIDILK 420
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US-10-041-574-2
; Sequence 2, Application US/10041574
; Patent No. US20020168359A1
; GENERAL INFORMATION:
; APPLICANT: Ni, Jian
; APPLICANT: Yu, Guo-Liang
; APPLICANT: Fan, Ping
; APPLICANT: Gentz, Reiner L.
; TITLE OF INVENTION: Human Tumor Necrosis Factor Receptor TR9
; FILE REFERENCE: PF375P1
; CURRENT APPLICATION NUMBER: US/10/041,574
; CURRENT FILING DATE: 2002-01-10
; PRIOR APPLICATION NUMBER: 09/527,236
; PRIOR FILING DATE: 2000-03-16
; PRIOR APPLICATION NUMBER: 60/052,991
; PRIOR FILING DATE: 1997-06-11
; PRIOR APPLICATION NUMBER: 09/095,094
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/126,019
; PRIOR FILING DATE: 1999-03-24
; PRIOR APPLICATION NUMBER: 60/134,220
; PRIOR FILING DATE: 1999-05-14
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn Ver. 2.1
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; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-041-574-2
Query Match      100.0%; Score 3456; DB 9; Length 655;
Best Local Similarity 100.0%; Pred. No. 2.3e-235;
Matches 655; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MGTSPSSSTALASCSRIARRATATMIAGSLLLGFLSTTTAAQPEQKASNLIGYRHHVDR 60
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Db 181 SSVMKCKAYTDCLSQNLVWKPKTKETDNVCGTLPFSFSSSTSPSGTATFPRPEHMETHE 240
Qy 241 VPSSTVYVPGMNSTESNSSASVPRKVLSSIQEGTVDPNTSSARGKEDVKNKTLPLNQVYNH 300
Db 241 VPSSTVYVPGMNSTESNSSASVPRKVLSSIQEGTVDPNTSSARGKEDVKNKTLPLNQVYNH 300
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Db 361 VLVIIVVCSIRKSRRLKKGPRODPSAIVEKAGLKKSMPTONREKWIYVCNGHGIDILK 420
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Qy 601 DDMHLFNPBLRVIEEIPQAEKDLRLFEIIGVKSQEASQTLLDSVYSHLPDLL 655
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RESULT 5
US-09-978-192A-64
; Sequence 64, Application US/09978192A
; Patent No. US20020177553A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Fillvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
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; APPLICANT: Hillan, Kenneth J
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630P1C9
; CURRENT APPLICATION NUMBER: US/09/978,192A
; CURRENT FILING DATE: 2001-10-15
; PRIOR APPLICATION NUMBER: 09/918585
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;; PRIOR FILING DATE: 1998-05-15
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;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085697

Query Match 100.0%; Score 3456; DB 9; Length 655;
Best Local Similarity 100.0%; Pred. No. 2.3e-235;
Matches 655; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 7
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; Sequence 64, Application US/09978189
; Publication No. US20030004102A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
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; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
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; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann

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Db	241	VPSSTYYPKGMNSTESNASVRPKVLSSIQEGTVPDNTSSARKGEDYNKTLPLNQVVNH	300		
Qy	301	QOGPHRRHIKLPSMEATGEKSSTPIKGPKRGHPRONLHKHFIDINEHLPMWIVLFLLL	360		
Db	301	QOGPHRRHIKLPSMEATGEKSSTPIKGPKRGHPRONLHKHFIDINEHLPMWIVLFLLL	360		
Qy	361	VLVVIVVCSIRKSSRTILKGPPODPSAIVEKAGLKKSMTPTQNREKWIIYONGHGIDILK	420		
Db	361	VLVVIVVCSIRKSSRTILKGPPODPSAIVEKAGLKKSMTPTQNREKWIIYONGHGIDILK	420		
Qy	421	LVAOVSQWKDIYQFLCNASEREVAAFNSGYTADHERAYAAALQHWTIRGPEASLAQLIS	480		
Db	421	LVAOVSQWKDIYQFLCNASEREVAAFNSGYTADHERAYAAALQHWTIRGPEASLAQLIS	480		
Qy	481	ALROHRNRDVVEKIRGLMEDTTOLETDKIALPMSPLSPSPISPNAKLENSALLTVEP	540		
Db	481	ALROHRNRDVVEKIRGLMEDTTOLETDKIALPMSPLSPSPISPNAKLENSALLTVEP	540		
Qy	541	SPODKNGFFVDESEPLLRCDDSTGGSSALS RNGSFITKEKDDTVLVRORDPCDLQPIF	600		
Db	541	SPODKNGFFVDESEPLLRCDDSTGGSSALS RNGSFITKEKDDTVLVRORDPCDLQPIF	600		

[illegible]

RESULT 8

```

US-10-174-590-418
; Sequence 418, Application US/10174590
; Publication No. US20030008352A1
;
; GENERAL INFORMATION:
;
; APPLICANT: Baker Kevin P.
;
; APPLICANT: Chen, Jian
;
; APPLICANT: Desnoyers, Luc
;
; APPLICANT: Goddard, Audrey
;
; APPLICANT: Godowski, Paul J.
;
; APPLICANT: Gurney, Austin L.
;
; APPLICANT: Pan, James
;
; APPLICANT: Smith, Victoria
;
; APPLICANT: Watanabe, Colin K.
;
; APPLICANT: Wood, William I.
;
; APPLICANT: Zhang, Zemin
;
; TITLE OF INVENTION: SECRETED AND TRADE
;
; FILE REFERENCE: ACIDS ENCODING
;
; FILE REFERENCE: P3430R1C42
;
; CURRENT APPLICATION NUMBER: US/10/17
;
; CURRENT FILING DATE: 2002-06-18
;
; Prior application removed - See File
;
; NUMBER OF SEQ ID NOS: 612
;
; SEQ ID NO 418
;
; LENGTH: 655
;
; TYPE: PRT
;
; ORGANISM: Homo Sapien
;
; US-10-174-590-418

```

Query Match	100.0%;	Score	3456;	DB	9;	Length	655;
Best Local Similarity	100.0%;	Pred. No.	2.3e-235;				
Matches	655;	Conservative	0;	Mismatches	0;	Indels	0;

Qy	1	MGTSFSSSTALASCRIARRATATNIAGSLLLGLFSTTTTAQPEOKASNLIGTYRHVDRA	60
Db	1	MGTSFSSSTALASCRIARRATATNIAGSLLLGLFSTTTTAQPEOKASNLIGTYRHVDRA	60
Qy	61	TGQVLTCDKCPAGTYVSEHCNTNLSRVCSGPCVGTFRHENGIEKHDCSQCPWPMEIK	120
Db	61	TGQVLTCDKCPAGTYVSEHCNTNLSRVCSGPCVGTFRHENGIEKHDCSQCPWPMEIK	120
Qy	121	LPCAALTDRECTCPPGMFQSNATCAPHTVPCVPGWGVRRKKGTTEDVRCKQCARGTFSDVP	180
Db	121	LPCAALTDRECTCPPGMFQSNATCAPHTVPCVPGWGVRRKKGTTEDVRCKQCARGTFSDVP	180
Qy	181	SSVMKCKAYTDCLSQNLVVIKPGTKETDNVCGTLPFSFSSITSPSGTAIFPRPEHMETHE	240
Db	181	SSVMKCKAYTDCLSQNLVVIKPGTKETDNVCGTLPFSFSSITSPSGTAIFPRPEHMETHE	240
Qy	241	VPSSTYVPKGMNSTESNSASVRRPKVLSSIQEGTVPDNTSSARGEDVNKTLPNLQVNVH	300
Db	241	VPSSTYVPKGMNSTESNSASVRRPKVLSSIQEGTVPDNTSSARGEDVNKTLPNLQVNVH	300
Qy	301	QOGPHRRHILKLLPSMEATGKESSTPIKGPKRGHPRQNLHKHFDINEHLPWMLVFLLL	360
Db	301	QOGPHRRHILKLLPSMEATGKESSTPIKGPKRGHPRQNLHKHFDINEHLPWMLVFLLL	360
Qy	361	VLWIVVCSIRKSSRTLKGGPRQDPSAIVERAGLKKSMTPQTNREKWIYYCNGHGIDILK	420
Db	361	VLWIVVCSIRKSSRTLKGGPRQDPSAIVERAGLKKSMTPQTNREKWIYYCNGHGIDILK	420
Qy	421	LVAAQVGSQWKDIYQFLCNASEREVAASNGYTADHERAYAAALQHWITRGPRASLAQLIS	480
Db	421	LVAAQVGSQWKDIYQFLCNASEREVAASNGYTADHERAYAAALQHWITRGPRASLAQLIS	480
Qy	481	ALROHRRNDVVVEIKRGLMEDTTQLETDKLALPMSPPSPSPSPNKLENSALLTVEP	540

```
Db 481 ALRQHRNDVVEKIRGLMEDTTQLETDKALPMSPLSPSPSPNAKLENSALLTVEP 540
QY 541 SPQDKNKGFFVDESEPLLRCDSTSSGSSALSRLNGSFITTEKKTDTVLRLQVRLDPCDLQPIF 600
Db 541 SPQDKNKGFFVDESEPLLRCDSTSSGSSALSRLNGSFITTEKKTDTVLRLQVRLDPCDLQPIF 600
QY 601 DDLHLFNLPELRIEIPQAEKDLRLFEIIGVKSQEASQTLDSVYSHLPDLL 655
Db 601 DDLHLFNLPELRIEIPQAEKDLRLFEIIGVKSQEASQTLDSVYSHLPDLL 655

RESULT 9
US-10-176-758-418
; Sequence 418, Application US/10176758
; Publication No. US20030008353A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C104
; CURRENT APPLICATION NUMBER: US/10/176,758
; CURRENT FILING DATE: 2002-06-21
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 418
; LENGTH: 655
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-758-418

Query Match 100.0%; Score 3456; DB 9; Length 655;
Best Local Similarity 100.0%; Pred. No. 2.3e-235;
Matches 655; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGTSPSSSTALASCSRIARRATATMIAGSLLLGFLSTTTTAQPEQKASNLIGTYRHVDRA 60
Db 1 MGTSPSSSTALASCSRIARRATATMIAGSLLLGFLSTTTTAQPEQKASNLIGTYRHVDRA 60
QY 61 TGOVLTCDCPCAGTYVSEHCTNTSLRVCSCPVGTTFRHENGIEKCHDCSQPCPWPMEIK 120
Db 61 TGOVLTCDCPCAGTYVSEHCTNTSLRVCSCPVGTTFRHENGIEKCHDCSQPCPWPMEIK 120
QY 121 LPCAALTDRCTCPGCMFOSNATCAPHTVCPVGWGVKKGTTEDYRCKOCARGTSDVP 180
Db 121 LPCAALTDRCTCPGCMFOSNATCAPHTVCPVGWGVKKGTTEDYRCKOCARGTSDVP 180
QY 181 SSVMKCKAYTDCLSQNLVVKPGTKETDNVCGTLPFSFSSSTSPSGTAIFPRPEHMETHE 240
Db 181 SSVMKCKAYTDCLSQNLVVKPGTKETDNVCGTLPFSFSSSTSPSGTAIFPRPEHMETHE 240
QY 241 VPSSTVYVPGMNSTESNSASVRPKVLSSIQEGTVPDNTSSARGKEDVNKTLPLNLQVNH 300
Db 241 VPSSTVYVPGMNSTESNSASVRPKVLSSIQEGTVPDNTSSARGKEDVNKTLPLNLQVNH 300
QY 301 QCGPHRHILKLLPLPSMEATGGKESSTPIKGPGRGHPRQNLHKHFDINEHLPWMIVFLLL 360
Db 301 QCGPHRHILKLLPLPSMEATGGKESSTPIKGPGRGHPRQNLHKHFDINEHLPWMIVFLLL 360
QY 361 VLWVIVVCSIRKSSRTLKKGPRQDPSAIVEKAGLKKSMPTPTQNRKWIYYCNGHGDILK 420
Db 361 VLWVIVVCSIRKSSRTLKKGPRQDPSAIVEKAGLKKSMPTPTQNRKWIYYCNGHGDILK 420
QY 421 LVAAQVGSQWKDIYQFLCNASEREVAAFSNGYTADHERAYALQHWITIRGPEASLAQLIS 480
```

```
Db 421 LVAAQVGSQWKDIYQFLCNASEREVAAFSNGYTADHERAYALQHWITIRGPEASLAQLIS 480
QY 481 ALRQHRNDVVEKIRGLMEDTTQLETDKALPMSPLSPSPSPNAKLENSALLTVEP 540
Db 481 ALRQHRNDVVEKIRGLMEDTTQLETDKALPMSPLSPSPSPNAKLENSALLTVEP 540
QY 541 SPQDKNKGFFVDESEPLLRCDSTSSGSSALSRLNGSFITTEKKTDTVLRLQVRLDPCDLQPIF 600
Db 541 SPQDKNKGFFVDESEPLLRCDSTSSGSSALSRLNGSFITTEKKTDTVLRLQVRLDPCDLQPIF 600
QY 601 DDLHLFNLPELRIEIPQAEKDLRLFEIIGVKSQEASQTLDSVYSHLPDLL 655
Db 601 DDLHLFNLPELRIEIPQAEKDLRLFEIIGVKSQEASQTLDSVYSHLPDLL 655

RESULT 10
US-10-175-737-418
; Sequence 418, Application US/10175737
; Publication No. US20030013153A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C50
; CURRENT APPLICATION NUMBER: US/10/175,737
; CURRENT FILING DATE: 2002-06-19
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 418
; LENGTH: 655
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-175-737-418

Query Match 100.0%; Score 3456; DB 9; Length 655;
Best Local Similarity 100.0%; Pred. No. 2.3e-235;
Matches 655; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGTSPSSSTALASCSRIARRATATMIAGSLLLGFLSTTTTAQPEQKASNLIGTYRHVDRA 60
Db 1 MGTSPSSSTALASCSRIARRATATMIAGSLLLGFLSTTTTAQPEQKASNLIGTYRHVDRA 60
QY 61 TGOVLTCDCPCAGTYVSEHCTNTSLRVCSCPVGTTFRHENGIEKCHDCSQPCPWPMEIK 120
Db 61 TGOVLTCDCPCAGTYVSEHCTNTSLRVCSCPVGTTFRHENGIEKCHDCSQPCPWPMEIK 120
QY 121 LPCAALTDRCTCPGCMFOSNATCAPHTVCPVGWGVKKGTTEDYRCKOCARGTSDVP 180
Db 121 LPCAALTDRCTCPGCMFOSNATCAPHTVCPVGWGVKKGTTEDYRCKOCARGTSDVP 180
QY 181 SSVMKCKAYTDCLSQNLVVKPGTKETDNVCGTLPFSFSSSTSPSGTAIFPRPEHMETHE 240
Db 181 SSVMKCKAYTDCLSQNLVVKPGTKETDNVCGTLPFSFSSSTSPSGTAIFPRPEHMETHE 240
QY 241 VPSSTVYVPGMNSTESNSASVRPKVLSSIQEGTVPDNTSSARGKEDVNKTLPLNLQVNH 300
Db 241 VPSSTVYVPGMNSTESNSASVRPKVLSSIQEGTVPDNTSSARGKEDVNKTLPLNLQVNH 300
QY 301 QCGPHRHILKLLPLPSMEATGGKESSTPIKGPGRGHPRQNLHKHFDINEHLPWMIVFLLL 360
Db 301 QCGPHRHILKLLPLPSMEATGGKESSTPIKGPGRGHPRQNLHKHFDINEHLPWMIVFLLL 360
```


Db 181 SSVKCKAYTDCISQNLVWIKPGTKETDNDVCGTLPFSSTSPSGTAIFRPRHEHMETHE 240
Qy 241 VPSSTYVPKCMNSTESNSSASVRPKVLSSTQEGTVPDNTSSARGKEDVNTKLPNLQVNH 300
Db 241 VPSSTYVPKCMNSTESNSSASVRPKVLSSTQEGTVPDNTSSARGKEDVNTKLPNLQVNH 300
Qy 301 QQGPVHRLKLLPSMEATGGEKSTPIKPKRGHPQNLKHKHFDINEHLPWMIIVLFLLL 360
Db 301 QQGPVHRLKLLPSMEATGGEKSTPIKPKRGHPQNLKHKHFDINEHLPWMIIVLFLLL 360
Qy 361 VLVVIVVCSIRKSRSLKKGPRDPSAIVEKAGLKSKMTPTQNKREKIYYCNGHGIDILK 420
Db 361 VLVVIVVCSIRKSRSLKKGPRDPSAIVEKAGLKSKMTPTQNKREKIYYCNGHGIDILK 420
Qy 421 LVAAGVGSQWKDIYQFCLNASEREVAAFSNGYTADHERAYAAHQHWTIRGPEASLAQLIS 480
Db 421 LVAAGVGSQWKDIYQFCLNASEREVAAFSNGYTADHERAYAAHQHWTIRGPEASLAQLIS 480
Qy 481 ALRQHRNDVVEKIRGLMEDTTQLETDKALPMSPLSPSPSPNAKLENSALLTVEP 540
Db 481 ALRQHRNDVVEKIRGLMEDTTQLETDKALPMSPLSPSPSPNAKLENSALLTVEP 540
Qy 541 SPQDNKNGFFVDESEPLLRCDSTSSGSSALSRSNGSFITKEKDTVLQVRLDPCDQPIF 600
Db 541 SPQDNKNGFFVDESEPLLRCDSTSSGSSALSRSNGSFITKEKDTVLQVRLDPCDQPIF 600
Qy 601 DDMHLFLNPELRVIEIPQAEKDLRLEFIIGVKSQEAASQTLDSVYSHLPDLL 655
Db 601 DDMHLFLNPELRVIEIPQAEKDLRLEFIIGVKSQEAASQTLDSVYSHLPDLL 655

RESULT 13

US-10-175-752-418
; Sequence 418, Application US/10175752
; Publication No. US20030022295A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C60
; CURRENT APPLICATION NUMBER: US/10/175,752
; CURRENT FILING DATE: 2002-06-19
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 418
; LENGTH: 655
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-175-752-418

Query Match 100.0%; Score 3456; DB 9; Length 655;
Best Local Similarity 100.0%; Pred. No. 2.3e-235;
Matches 655; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MGTSPSSSTALASCSRTARRATATMTAGSLLGLFSTTTAQPQKASNLIGYRHHVDR 60
Db 1 MGTSPSSSTALASCSRTARRATATMTAGSLLGLFSTTTAQPQKASNLIGYRHHVDR 60
Qy 61 TGOVLTCDCPKACTYVSEHCTNTSLRVCSSCPVGTTRHENGIEKCHDCSQPCPWPMEIK 120
Db 61 TGOVLTCDCPKACTYVSEHCTNTSLRVCSSCPVGTTRHENGIEKCHDCSQPCPWPMEIK 120
Qy 121 LPCAALTDRCTCPGFMFQSNATCAPHTVCPVGWGVKKGKGTETEDVRCKOCARGTTFSDVP 180

Db 121 LPCAALTDRCTCPGFMFQSNATCAPHTVCPVGWGVKKGKGTETEDVRCKOCARGTTFSDVP 180
Qy 181 SSVKCKAYTDCISQNLVWIKPGTKETDNDVCGTLPFSSTSPSGTAIFRPRHEHMETHE 240
Db 181 SSVKCKAYTDCISQNLVWIKPGTKETDNDVCGTLPFSSTSPSGTAIFRPRHEHMETHE 240
Qy 241 VPSSTYVPKCMNSTESNSSASVRPKVLSSTQEGTVPDNTSSARGKEDVNTKLPNLQVNH 300
Db 241 VPSSTYVPKCMNSTESNSSASVRPKVLSSTQEGTVPDNTSSARGKEDVNTKLPNLQVNH 300
Qy 301 QQGPVHRLKLLPSMEATGGEKSTPIKPKRGHPQNLKHKHFDINEHLPWMIIVLFLLL 360
Db 301 QQGPVHRLKLLPSMEATGGEKSTPIKPKRGHPQNLKHKHFDINEHLPWMIIVLFLLL 360
Qy 361 VLVVIVVCSIRKSRSLKKGPRDPSAIVEKAGLKSKMTPTQNKREKIYYCNGHGIDILK 420
Db 361 VLVVIVVCSIRKSRSLKKGPRDPSAIVEKAGLKSKMTPTQNKREKIYYCNGHGIDILK 420
Qy 421 LVAAGVGSQWKDIYQFCLNASEREVAAFSNGYTADHERAYAAHQHWTIRGPEASLAQLIS 480
Db 421 LVAAGVGSQWKDIYQFCLNASEREVAAFSNGYTADHERAYAAHQHWTIRGPEASLAQLIS 480
Qy 481 ALRQHRNDVVEKIRGLMEDTTQLETDKALPMSPLSPSPSPNAKLENSALLTVEP 540
Db 481 ALRQHRNDVVEKIRGLMEDTTQLETDKALPMSPLSPSPSPNAKLENSALLTVEP 540
Qy 541 SPQDNKNGFFVDESEPLLRCDSTSSGSSALSRSNGSFITKEKDTVLQVRLDPCDQPIF 600
Db 541 SPQDNKNGFFVDESEPLLRCDSTSSGSSALSRSNGSFITKEKDTVLQVRLDPCDQPIF 600
Qy 601 DDMHLFLNPELRVIEIPQAEKDLRLEFIIGVKSQEAASQTLDSVYSHLPDLL 655
Db 601 DDMHLFLNPELRVIEIPQAEKDLRLEFIIGVKSQEAASQTLDSVYSHLPDLL 655

RESULT 14

US-10-176-482-418
; Sequence 418, Application US/10176482
; Publication No. US20030022296A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C70
; CURRENT APPLICATION NUMBER: US/10/176,482
; CURRENT FILING DATE: 2002-06-20
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 418
; LENGTH: 655
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-482-418

Query Match 100.0%; Score 3456; DB 9; Length 655;
Best Local Similarity 100.0%; Pred. No. 2.3e-235;
Matches 655; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 MGTSPSSSTALASCSRTARRATATMTAGSLLGLFSTTTAQPQKASNLIGYRHHVDR 60
Db 1 MGTSPSSSTALASCSRTARRATATMTAGSLLGLFSTTTAQPQKASNLIGYRHHVDR 60

```

RESULT 15
US-10-176-757-418
; Sequence 418, Application US/10176757
; Publication No. US20030022297A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C86
; CURRENT APPLICATION NUMBER: US/10/176,757
; CURRENT FILING DATE: 2002-06-20
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 418
; LENGTH: 655
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-757-418

```

```
Query Match      100.0%; Score 3456; DB 9; Length 655;
Best Local Similarity 100.0%; Pred. No. 2.3e-235;
Matches 655; Conservative 0; Mismatches 0; Indels 0; Gaps 0
```

Search completed: June 5, 2003, 14:20:07
Job time : 28 secs

